

# Adding equal groups



1 Complete the stem sentences. Check your answers using a number line.

a How many single cherries altogether?



$$2 + 2 + 2 + 2 + 2 = \underline{10}$$

There are 5 groups of 2  
cherries which is equivalent to 10.

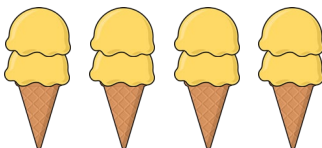
b How many doughnuts altogether?



$$2 + 2 = \underline{\quad}$$

There are        groups of         
doughnuts which is equivalent to       .

c How many ice-cream scoops altogether?



$$2 + 2 + 2 + 2 = \underline{\quad}$$

There are        groups of         
ice-cream scoops which is equivalent to       .

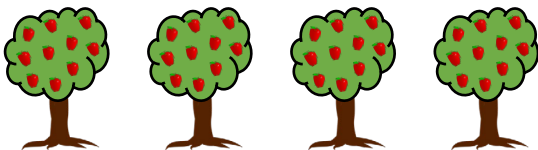
d How many cookies altogether?



$$2 + 2 + 2 = \underline{\quad}$$

There are        groups of         
cookies which is equivalent to       .

e How many apples altogether?



$$10 + 10 + 10 + 10 = \underline{\quad}$$

There are        groups of         
apples which is equivalent to       .

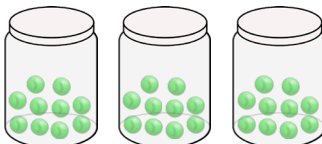
f How many pencils altogether?



$$10 + 10 = \underline{\quad}$$

There are        groups of         
pencils which is equivalent to       .

g How many marbles altogether?



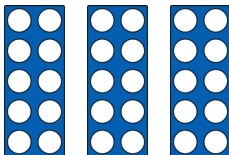
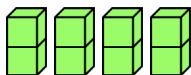
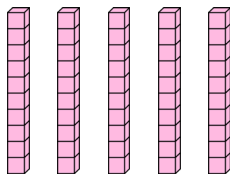
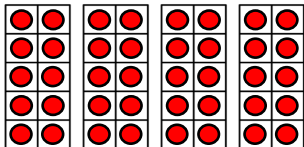
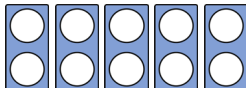
$$10 + 10 + 10 = \underline{\quad}$$

There are        groups of         
marbles which is equivalent to       .

# Adding equal groups



1 Complete the table.

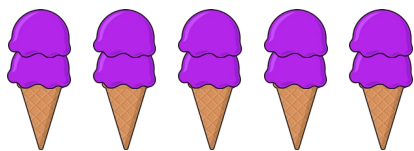
| Picture                                                                             | Repeated addition        | Bar model                                                                                                       | Sentence |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
|-------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------|----------|----|----|----|------------------------------------------------------------|----|------------------------------------------------------------|----|-----------------------------------------------------|----|------------------------------------------------------------|
|    |                          | <table><tr><td colspan="3">6</td></tr><tr><td>2</td><td>2</td><td>2</td></tr></table>                           | 6        |    |    | 2  | 2                                                          | 2  | There are 3 groups of 2 which is equivalent to 6.          |    |                                                     |    |                                                            |
| 6                                                                                   |                          |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
| 2                                                                                   | 2                        | 2                                                                                                               |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
|    | $10 + 10 + 10$           | <table><tr><td colspan="3">30</td></tr><tr><td>10</td><td>10</td><td>10</td></tr></table>                       | 30       |    |    | 10 | 10                                                         | 10 | There are ____ groups of ____ which is equivalent to ____. |    |                                                     |    |                                                            |
| 30                                                                                  |                          |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
| 10                                                                                  | 10                       | 10                                                                                                              |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
|    | $2 + 2 + 2 + 2$          | <table><tr><td colspan="4"></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>                      |          |    |    |    |                                                            |    |                                                            |    | There are 4 groups of 2 which is equivalent to 8.   |    |                                                            |
|                                                                                     |                          |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
|                                                                                     |                          |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
|   | $10 + 10 + 10 + 10 + 10$ | <table><tr><td colspan="5">50</td></tr><tr><td>10</td><td>10</td><td>10</td><td>10</td><td>10</td></tr></table> | 50       |    |    |    |                                                            | 10 | 10                                                         | 10 | 10                                                  | 10 | There are ____ groups of ____ which is equivalent to ____. |
| 50                                                                                  |                          |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
| 10                                                                                  | 10                       | 10                                                                                                              | 10       | 10 |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
|  | $2 + 2$                  | <table><tr><td colspan="2">4</td></tr><tr><td>2</td><td>2</td></tr></table>                                     | 4        |    | 2  | 2  | There are ____ groups of ____ which is equivalent to ____. |    |                                                            |    |                                                     |    |                                                            |
| 4                                                                                   |                          |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
| 2                                                                                   | 2                        |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
|   |                          | <table><tr><td colspan="4">40</td></tr><tr><td>10</td><td>10</td><td>10</td><td>10</td></tr></table>            | 40       |    |    |    | 10                                                         | 10 | 10                                                         | 10 | There are 4 groups of 10 which is equivalent to 40. |    |                                                            |
| 40                                                                                  |                          |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
| 10                                                                                  | 10                       | 10                                                                                                              | 10       |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
|  | $2 + 2 + 2 + 2 + 2$      | <table><tr><td colspan="5"></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>             |          |    |    |    |                                                            |    |                                                            |    |                                                     |    | There are 5 groups of 2 which is equivalent to 10.         |
|                                                                                     |                          |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
|                                                                                     |                          |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
|                                                                                     | $10 + 10$                | <table><tr><td colspan="2">20</td></tr><tr><td>10</td><td>10</td></tr></table>                                  | 20       |    | 10 | 10 | There are 2 groups of 10 which is equivalent to 20.        |    |                                                            |    |                                                     |    |                                                            |
| 20                                                                                  |                          |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |
| 10                                                                                  | 10                       |                                                                                                                 |          |    |    |    |                                                            |    |                                                            |    |                                                     |    |                                                            |

# Adding equal groups



1 Complete the stem sentences. Check your answers using a number line.

a How many ice-cream scoops altogether?

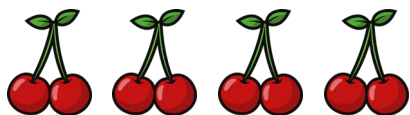


$$2 + 2 + 2 + 2 + 2 = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$

ice-cream scoops which is equivalent to  $\underline{\quad}$ .

b How many single cherries altogether?

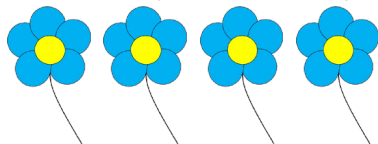


$$2 + 2 + 2 + 2 = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$

cherries which is equivalent to  $\underline{\quad}$ .

c How many petals altogether?



$$5 + 5 + 5 + 5 = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$

petals which is equivalent to  $\underline{\quad}$ .

d How many light bulbs altogether?



$$5 + 5 + 5 = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$

light bulbs which is equivalent to  $\underline{\quad}$ .

e How many fish altogether?



$$10 + 10 + 10 = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$

fish which is equivalent to  $\underline{\quad}$ .

f How many apples altogether?



$$10 + 10 + 10 + 10 + 10 = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$

apples which is equivalent to  $\underline{\quad}$ .

g How many pencils altogether?



$$10 + 10 + 10 + 10 = \underline{\quad}$$

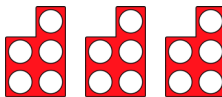
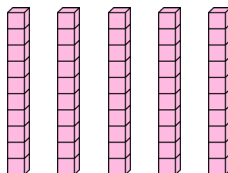
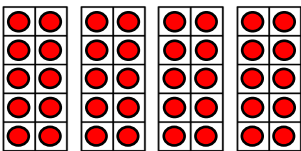
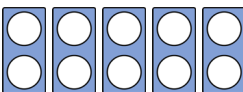
There are  $\underline{\quad}$  groups of  $\underline{\quad}$

pencils which is equivalent to  $\underline{\quad}$ .

# Adding equal groups



1 Complete the table.

| Picture                                                                             | Repeated addition        | Bar model                                                                                                  | Sentence |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|-------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------|----------|---|--|---|----|----|------------------------------------------------------------|----|------------------------------------------------------------|---|------------------------------------------------------------|
|    |                          | <table><tr><td colspan="3">6</td></tr><tr><td>2</td><td>2</td><td>2</td></tr></table>                      | 6        |   |  | 2 | 2  | 2  | There are ____ groups of ____ which is equivalent to ____. |    |                                                            |   |                                                            |
| 6                                                                                   |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
| 2                                                                                   | 2                        | 2                                                                                                          |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|                                                                                     | $10 + 10 + 10$           | <table><tr><td colspan="3"></td></tr><tr><td></td><td></td><td></td></tr></table>                          |          |   |  |   |    |    | There are 3 groups of 10 which is equivalent to 30.        |    |                                                            |   |                                                            |
|                                                                                     |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|                                                                                     |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|    |                          | <table><tr><td colspan="3"></td></tr><tr><td></td><td></td><td></td></tr></table>                          |          |   |  |   |    |    | There are 3 groups of 5 which is equivalent to 15.         |    |                                                            |   |                                                            |
|                                                                                     |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|                                                                                     |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|                                                                                     | $2 + 2 + 2 + 2$          | <table><tr><td colspan="4">8</td></tr><tr><td>2</td><td>2</td><td>2</td><td>2</td></tr></table>            | 8        |   |  |   | 2  | 2  | 2                                                          | 2  | There are ____ groups of ____ which is equivalent to ____. |   |                                                            |
| 8                                                                                   |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
| 2                                                                                   | 2                        | 2                                                                                                          | 2        |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|  | $10 + 10 + 10 + 10 + 10$ | <table><tr><td colspan="5"></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>        |          |   |  |   |    |    |                                                            |    |                                                            |   | There are ____ groups of ____ which is equivalent to ____. |
|                                                                                     |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|                                                                                     |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|                                                                                     |                          | <table><tr><td colspan="4">20</td></tr><tr><td>5</td><td>5</td><td>5</td><td>5</td></tr></table>           | 20       |   |  |   | 5  | 5  | 5                                                          | 5  | There are 4 groups of 5 which is equivalent to 20.         |   |                                                            |
| 20                                                                                  |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
| 5                                                                                   | 5                        | 5                                                                                                          | 5        |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|   |                          | <table><tr><td colspan="4">40</td></tr><tr><td>10</td><td>10</td><td>10</td><td>10</td></tr></table>       | 40       |   |  |   | 10 | 10 | 10                                                         | 10 | There are ____ groups of ____ which is equivalent to ____. |   |                                                            |
| 40                                                                                  |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
| 10                                                                                  | 10                       | 10                                                                                                         | 10       |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|  |                          | <table><tr><td colspan="5"></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>        |          |   |  |   |    |    |                                                            |    |                                                            |   | There are 5 groups of 2 which is equivalent to 10.         |
|                                                                                     |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|                                                                                     |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
|                                                                                     |                          | <table><tr><td colspan="5">25</td></tr><tr><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td></tr></table> | 25       |   |  |   |    | 5  | 5                                                          | 5  | 5                                                          | 5 | There are 5 groups of 5 which is equivalent to 25.         |
| 25                                                                                  |                          |                                                                                                            |          |   |  |   |    |    |                                                            |    |                                                            |   |                                                            |
| 5                                                                                   | 5                        | 5                                                                                                          | 5        | 5 |  |   |    |    |                                                            |    |                                                            |   |                                                            |

# Adding equal groups



1 Complete or create your own stem sentences. Check your answers using a number line.

a How many doughnuts altogether?



$$2 + 2 + 2 + 2 + 2 = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$   
doughnuts which is equivalent to  $\underline{\quad}$ .

b How many cookies altogether?



$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$   
cookies which is equivalent to  $\underline{\quad}$ .

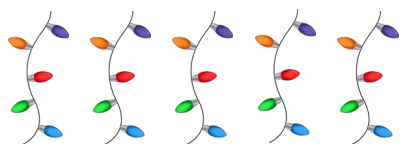
c How many pencils altogether?



$$5 + 5 + 5 + 5 = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$   
pencils which is equivalent to  $\underline{\quad}$ .

d How many light bulbs altogether?



$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$   
light bulbs which is equivalent to  $\underline{\quad}$ .

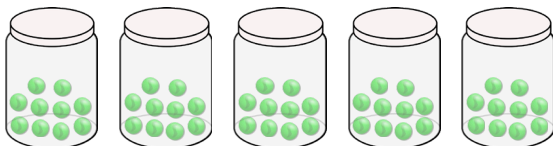
e How many cupcakes altogether?



$$10 + 10 + 10 = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$   
cupcakes which is equivalent to  $\underline{\quad}$ .

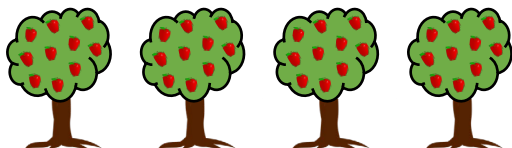
f How many marbles altogether?



$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$   
marbles which is equivalent to  $\underline{\quad}$ .

g How many apples altogether?



$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

There are  $\underline{\quad}$  groups of  $\underline{\quad}$   
apples which is equivalent to  $\underline{\quad}$ .

# Adding equal groups



1 Complete the table.

| Picture | Repeated addition | Bar model                         | Sentence                                                   |
|---------|-------------------|-----------------------------------|------------------------------------------------------------|
|         |                   |                                   | There are ____ groups of ____ which is equivalent to ____. |
|         |                   |                                   | There are 3 groups of 10 which is equivalent to 30.        |
|         |                   |                                   | There are ____ groups of ____ which is equivalent to ____. |
|         | $2 + 2 + 2 + 2$   |                                   | There are ____ groups of ____ which is equivalent to ____. |
|         |                   |                                   | There are ____ groups of ____ which is equivalent to ____. |
|         |                   |                                   | There are 4 groups of 5 which is equivalent to 20.         |
|         |                   | <div>40</div> <div>10101010</div> | There are ____ groups of ____ which is equivalent to ____. |
|         |                   |                                   | There are ____ groups of ____ which is equivalent to ____. |
|         |                   | <div>25</div> <div>55555</div>    | There are ____ groups of ____ which is equivalent to ____. |

# Answers

To avoid wasting paper & ink,  
please do not print this page.



# Adding equal groups



1 Complete the stem sentences. Check your answers using a number line.

a How many single cherries altogether?



$$2 + 2 + 2 + 2 + 2 = \underline{10}$$

There are 5 groups of 2  
cherries which is equivalent to 10.

b How many doughnuts altogether?



$$2 + 2 = \underline{4}$$

There are 2 groups of 2  
doughnuts which is equivalent to 4.

c How many ice-cream scoops altogether?



$$2 + 2 + 2 + 2 = \underline{8}$$

There are 4 groups of 2  
ice-cream scoops which is equivalent to 8.

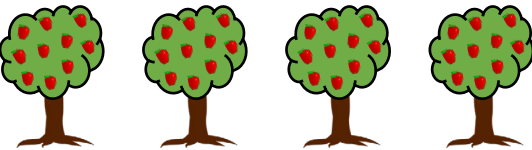
d How many cookies altogether?



$$2 + 2 + 2 = \underline{6}$$

There are 3 groups of 2  
cookies which is equivalent to 6.

e How many apples altogether?



$$10 + 10 + 10 + 10 = \underline{40}$$

There are 4 groups of 10  
apples which is equivalent to 40.

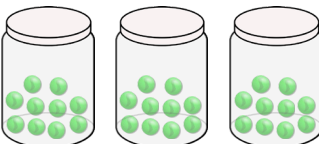
f How many pencils altogether?



$$10 + 10 = \underline{20}$$

There are 2 groups of 10  
pencils which is equivalent to 20.

g How many marbles altogether?



$$10 + 10 + 10 = \underline{30}$$

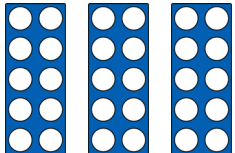
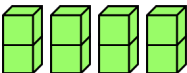
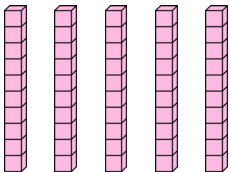
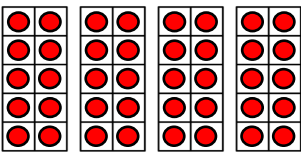
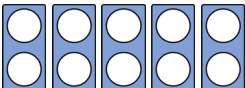
There are 3 groups of 10  
marbles which is equivalent to 30.



# Adding equal groups



1 Complete the table.

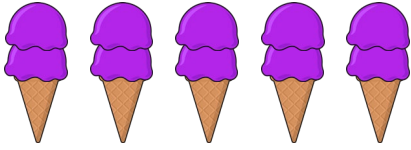
| Picture                                                                             | Repeated addition        | Bar model                                                                                                                  | Sentence |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
|-------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|----|----|----|-------------------------------------------------------------------------|----|---------------------------------------------------------------------------|----|-----------------------------------------------------|----|---------------------------------------------------------------------------|
|    | $2 + 2 + 2$              | <table border="1"><tr><td colspan="3">6</td></tr><tr><td>2</td><td>2</td><td>2</td></tr></table>                           | 6        |    |    | 2  | 2                                                                       | 2  | There are 3 groups of 2 which is equivalent to 6.                         |    |                                                     |    |                                                                           |
| 6                                                                                   |                          |                                                                                                                            |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
| 2                                                                                   | 2                        | 2                                                                                                                          |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
|    | $10 + 10 + 10$           | <table border="1"><tr><td colspan="3">30</td></tr><tr><td>10</td><td>10</td><td>10</td></tr></table>                       | 30       |    |    | 10 | 10                                                                      | 10 | There are <u>3</u> groups of <u>10</u> which is equivalent to <u>30</u> . |    |                                                     |    |                                                                           |
| 30                                                                                  |                          |                                                                                                                            |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
| 10                                                                                  | 10                       | 10                                                                                                                         |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
|    | $2 + 2 + 2 + 2$          | <table border="1"><tr><td colspan="4">8</td></tr><tr><td>2</td><td>2</td><td>2</td><td>2</td></tr></table>                 | 8        |    |    |    | 2                                                                       | 2  | 2                                                                         | 2  | There are 4 groups of 2 which is equivalent to 8.   |    |                                                                           |
| 8                                                                                   |                          |                                                                                                                            |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
| 2                                                                                   | 2                        | 2                                                                                                                          | 2        |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
|   | $10 + 10 + 10 + 10 + 10$ | <table border="1"><tr><td colspan="5">50</td></tr><tr><td>10</td><td>10</td><td>10</td><td>10</td><td>10</td></tr></table> | 50       |    |    |    |                                                                         | 10 | 10                                                                        | 10 | 10                                                  | 10 | There are <u>5</u> groups of <u>10</u> which is equivalent to <u>50</u> . |
| 50                                                                                  |                          |                                                                                                                            |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
| 10                                                                                  | 10                       | 10                                                                                                                         | 10       | 10 |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
|  | $2 + 2$                  | <table border="1"><tr><td colspan="2">4</td></tr><tr><td>2</td><td>2</td></tr></table>                                     | 4        |    | 2  | 2  | There are <u>2</u> groups of <u>2</u> which is equivalent to <u>4</u> . |    |                                                                           |    |                                                     |    |                                                                           |
| 4                                                                                   |                          |                                                                                                                            |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
| 2                                                                                   | 2                        |                                                                                                                            |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
|   | $10 + 10 + 10 + 10$      | <table border="1"><tr><td colspan="4">40</td></tr><tr><td>10</td><td>10</td><td>10</td><td>10</td></tr></table>            | 40       |    |    |    | 10                                                                      | 10 | 10                                                                        | 10 | There are 4 groups of 10 which is equivalent to 40. |    |                                                                           |
| 40                                                                                  |                          |                                                                                                                            |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
| 10                                                                                  | 10                       | 10                                                                                                                         | 10       |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
|  | $2 + 2 + 2 + 2 + 2$      | <table border="1"><tr><td colspan="5">10</td></tr><tr><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr></table>      | 10       |    |    |    |                                                                         | 2  | 2                                                                         | 2  | 2                                                   | 2  | There are 5 groups of 2 which is equivalent to 10.                        |
| 10                                                                                  |                          |                                                                                                                            |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
| 2                                                                                   | 2                        | 2                                                                                                                          | 2        | 2  |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
| Any picture representation that matches the row.                                    | $10 + 10$                | <table border="1"><tr><td colspan="2">20</td></tr><tr><td>10</td><td>10</td></tr></table>                                  | 20       |    | 10 | 10 | There are 2 groups of 10 which is equivalent to 20.                     |    |                                                                           |    |                                                     |    |                                                                           |
| 20                                                                                  |                          |                                                                                                                            |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |
| 10                                                                                  | 10                       |                                                                                                                            |          |    |    |    |                                                                         |    |                                                                           |    |                                                     |    |                                                                           |

# Adding equal groups



1 Complete the stem sentences. Check your answers using a number line.

a How many ice-cream scoops altogether?

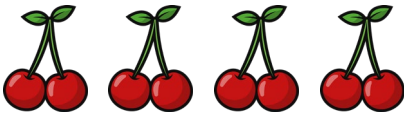


$$2 + 2 + 2 + 2 + 2 = \underline{10}$$

There are 5 groups of 2

ice-cream scoops which is equivalent to 10.

b How many single cherries altogether?

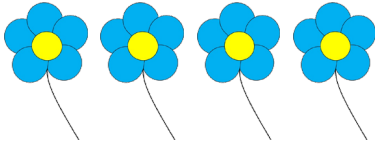


$$2 + 2 + 2 + 2 = \underline{8}$$

There are 4 groups of 2

cherries which is equivalent to 8.

c How many petals altogether?

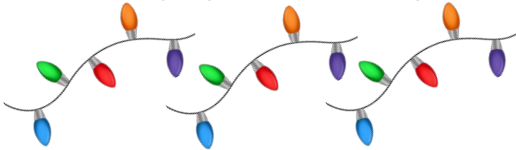


$$5 + 5 + 5 + 5 = \underline{20}$$

There are 4 groups of 5

petals which is equivalent to 20.

d How many light bulbs altogether?



$$5 + 5 + 5 = \underline{15}$$

There are 3 groups of 5

light bulbs which is equivalent to 15.

e How many fish altogether?



$$10 + 10 + 10 = \underline{30}$$

There are 3 groups of 10

fish which is equivalent to 30.

f How many apples altogether?



$$10 + 10 + 10 + 10 + 10 = \underline{50}$$

There are 5 groups of 10

apples which is equivalent to 50.

g How many pencils altogether?



$$10 + 10 + 10 + 10 = \underline{40}$$

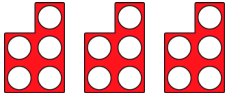
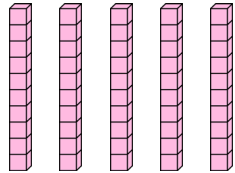
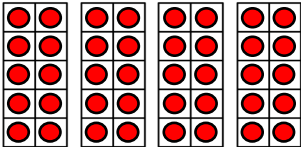
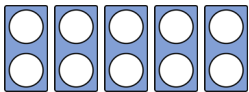
There are 4 groups of 10

pencils which is equivalent to 40.

# Adding equal groups



1 Complete the table.

| Picture                                                                             | Repeated addition        | Bar model                                                                                                                  | Sentence |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
|-------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|----|--|----|----|----|-------------------------------------------------------------------------|----|---------------------------------------------------------------------------|----|---------------------------------------------------------------------------|
|    | $2 + 2 + 2$              | <table border="1"><tr><td colspan="3">6</td></tr><tr><td>2</td><td>2</td><td>2</td></tr></table>                           | 6        |    |  | 2  | 2  | 2  | There are <u>3</u> groups of <u>2</u> which is equivalent to <u>6</u> . |    |                                                                           |    |                                                                           |
| 6                                                                                   |                          |                                                                                                                            |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| 2                                                                                   | 2                        | 2                                                                                                                          |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| Any picture representation that matches the row.                                    | $10 + 10 + 10$           | <table border="1"><tr><td colspan="3">30</td></tr><tr><td>10</td><td>10</td><td>10</td></tr></table>                       | 30       |    |  | 10 | 10 | 10 | There are 3 groups of 10 which is equivalent to 30.                     |    |                                                                           |    |                                                                           |
| 30                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| 10                                                                                  | 10                       | 10                                                                                                                         |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
|    | $5 + 5 + 5$              | <table border="1"><tr><td colspan="3">15</td></tr><tr><td>5</td><td>5</td><td>5</td></tr></table>                          | 15       |    |  | 5  | 5  | 5  | There are 3 groups of 5 which is equivalent to 15.                      |    |                                                                           |    |                                                                           |
| 15                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| 5                                                                                   | 5                        | 5                                                                                                                          |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| Any picture representation that matches the row.                                    | $2 + 2 + 2 + 2$          | <table border="1"><tr><td colspan="4">8</td></tr><tr><td>2</td><td>2</td><td>2</td><td>2</td></tr></table>                 | 8        |    |  |    | 2  | 2  | 2                                                                       | 2  | There are <u>4</u> groups of <u>2</u> which is equivalent to <u>8</u> .   |    |                                                                           |
| 8                                                                                   |                          |                                                                                                                            |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| 2                                                                                   | 2                        | 2                                                                                                                          | 2        |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
|  | $10 + 10 + 10 + 10 + 10$ | <table border="1"><tr><td colspan="5">50</td></tr><tr><td>10</td><td>10</td><td>10</td><td>10</td><td>10</td></tr></table> | 50       |    |  |    |    | 10 | 10                                                                      | 10 | 10                                                                        | 10 | There are <u>5</u> groups of <u>10</u> which is equivalent to <u>50</u> . |
| 50                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| 10                                                                                  | 10                       | 10                                                                                                                         | 10       | 10 |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| Any picture representation that matches the row.                                    | $5 + 5 + 5 + 5$          | <table border="1"><tr><td colspan="4">20</td></tr><tr><td>5</td><td>5</td><td>5</td><td>5</td></tr></table>                | 20       |    |  |    | 5  | 5  | 5                                                                       | 5  | There are 4 groups of 5 which is equivalent to 20.                        |    |                                                                           |
| 20                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| 5                                                                                   | 5                        | 5                                                                                                                          | 5        |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
|   | $10 + 10 + 10 + 10$      | <table border="1"><tr><td colspan="4">40</td></tr><tr><td>10</td><td>10</td><td>10</td><td>10</td></tr></table>            | 40       |    |  |    | 10 | 10 | 10                                                                      | 10 | There are <u>4</u> groups of <u>10</u> which is equivalent to <u>40</u> . |    |                                                                           |
| 40                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| 10                                                                                  | 10                       | 10                                                                                                                         | 10       |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
|  | $2 + 2 + 2 + 2 + 2$      | <table border="1"><tr><td colspan="5">10</td></tr><tr><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr></table>      | 10       |    |  |    |    | 2  | 2                                                                       | 2  | 2                                                                         | 2  | There are 5 groups of 2 which is equivalent to 10.                        |
| 10                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| 2                                                                                   | 2                        | 2                                                                                                                          | 2        | 2  |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| Any picture representation that matches the row.                                    | $5 + 5 + 5 + 5 + 5$      | <table border="1"><tr><td colspan="5">25</td></tr><tr><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td></tr></table>      | 25       |    |  |    |    | 5  | 5                                                                       | 5  | 5                                                                         | 5  | There are 5 groups of 5 which is equivalent to 25.                        |
| 25                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |
| 5                                                                                   | 5                        | 5                                                                                                                          | 5        | 5  |  |    |    |    |                                                                         |    |                                                                           |    |                                                                           |

# Adding equal groups



1 Complete or create your own stem sentences. Check your answers using a number line.

a How many doughnuts altogether?



$$2 + 2 + 2 + 2 + 2 = \underline{10}$$

There are 5 groups of 2  
doughnuts which is equivalent to 10.

b How many cookies altogether?



$$\underline{2} + \underline{2} + \underline{2} + \underline{2} = \underline{8}$$

There are 4 groups of 2  
cookies which is equivalent to 8.

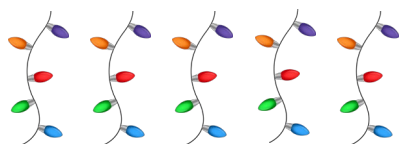
c How many pencils altogether?



$$5 + 5 + 5 + 5 = \underline{20}$$

There are 4 groups of 5  
pencils which is equivalent to 20.

d How many light bulbs altogether?



$$\underline{5} + \underline{5} + \underline{5} + \underline{5} + \underline{5} = \underline{25}$$

There are 5 groups of 5  
light bulbs which is equivalent to 25.

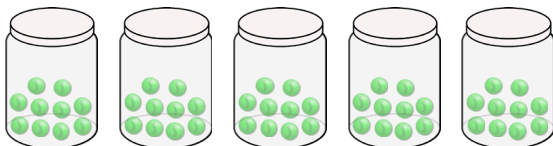
e How many cupcakes altogether?



$$10 + 10 + 10 = \underline{30}$$

There are 3 groups of 10  
cupcakes which is equivalent to 30.

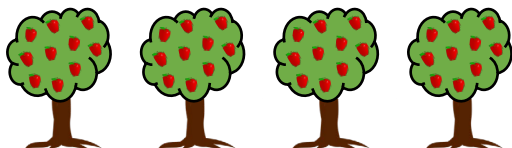
f How many marbles altogether?



$$\underline{10} + \underline{10} + \underline{10} + \underline{10} + \underline{10} = \underline{50}$$

There are 5 groups of 10  
marbles which is equivalent to 50.

g How many apples altogether?



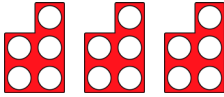
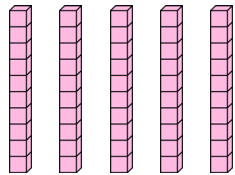
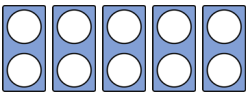
$$\underline{10} + \underline{10} + \underline{10} + \underline{10} = \underline{40}$$

There are 4 groups of 10  
apples which is equivalent to 40.

# Adding equal groups



1 Complete the table.

| Picture                                                                             | Repeated addition        | Bar model                                                                                                                  | Sentence |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
|-------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|----|--|----|----|----|--------------------------------------------------------------------------|----|---------------------------------------------------------------------------|----|---------------------------------------------------------------------------|
|    | $2 + 2 + 2$              | <table border="1"><tr><td colspan="3">6</td></tr><tr><td>2</td><td>2</td><td>2</td></tr></table>                           | 6        |    |  | 2  | 2  | 2  | There are <u>3</u> groups of <u>2</u> which is equivalent to <u>6</u> .  |    |                                                                           |    |                                                                           |
| 6                                                                                   |                          |                                                                                                                            |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| 2                                                                                   | 2                        | 2                                                                                                                          |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| Any picture representation that matches the row.                                    | $10 + 10 + 10$           | <table border="1"><tr><td colspan="3">30</td></tr><tr><td>10</td><td>10</td><td>10</td></tr></table>                       | 30       |    |  | 10 | 10 | 10 | There are 3 groups of 10 which is equivalent to 30.                      |    |                                                                           |    |                                                                           |
| 30                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| 10                                                                                  | 10                       | 10                                                                                                                         |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
|    | $5 + 5 + 5$              | <table border="1"><tr><td colspan="3">15</td></tr><tr><td>5</td><td>5</td><td>5</td></tr></table>                          | 15       |    |  | 5  | 5  | 5  | There are <u>3</u> groups of <u>5</u> which is equivalent to <u>15</u> . |    |                                                                           |    |                                                                           |
| 15                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| 5                                                                                   | 5                        | 5                                                                                                                          |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| Any picture representation that matches the row.                                    | $2 + 2 + 2 + 2$          | <table border="1"><tr><td colspan="4">8</td></tr><tr><td>2</td><td>2</td><td>2</td><td>2</td></tr></table>                 | 8        |    |  |    | 2  | 2  | 2                                                                        | 2  | There are <u>4</u> groups of <u>2</u> which is equivalent to <u>8</u> .   |    |                                                                           |
| 8                                                                                   |                          |                                                                                                                            |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| 2                                                                                   | 2                        | 2                                                                                                                          | 2        |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
|  | $10 + 10 + 10 + 10 + 10$ | <table border="1"><tr><td colspan="5">50</td></tr><tr><td>10</td><td>10</td><td>10</td><td>10</td><td>10</td></tr></table> | 50       |    |  |    |    | 10 | 10                                                                       | 10 | 10                                                                        | 10 | There are <u>5</u> groups of <u>10</u> which is equivalent to <u>50</u> . |
| 50                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| 10                                                                                  | 10                       | 10                                                                                                                         | 10       | 10 |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| Any picture representation that matches the row.                                    | $5 + 5 + 5 + 5$          | <table border="1"><tr><td colspan="4">20</td></tr><tr><td>5</td><td>5</td><td>5</td><td>5</td></tr></table>                | 20       |    |  |    | 5  | 5  | 5                                                                        | 5  | There are 4 groups of 5 which is equivalent to 20.                        |    |                                                                           |
| 20                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| 5                                                                                   | 5                        | 5                                                                                                                          | 5        |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| Any picture representation that matches the row.                                    | $10 + 10 + 10 + 10$      | <table border="1"><tr><td colspan="4">40</td></tr><tr><td>10</td><td>10</td><td>10</td><td>10</td></tr></table>            | 40       |    |  |    | 10 | 10 | 10                                                                       | 10 | There are <u>4</u> groups of <u>10</u> which is equivalent to <u>40</u> . |    |                                                                           |
| 40                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| 10                                                                                  | 10                       | 10                                                                                                                         | 10       |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
|  | $2 + 2 + 2 + 2 + 2$      | <table border="1"><tr><td colspan="5">10</td></tr><tr><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr></table>      | 10       |    |  |    |    | 2  | 2                                                                        | 2  | 2                                                                         | 2  | There are <u>5</u> groups of <u>2</u> which is equivalent to <u>10</u> .  |
| 10                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| 2                                                                                   | 2                        | 2                                                                                                                          | 2        | 2  |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| Any picture representation that matches the row.                                    | $5 + 5 + 5 + 5 + 5$      | <table border="1"><tr><td colspan="5">25</td></tr><tr><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td></tr></table>      | 25       |    |  |    |    | 5  | 5                                                                        | 5  | 5                                                                         | 5  | There are <u>5</u> groups of <u>5</u> which is equivalent to <u>25</u> .  |
| 25                                                                                  |                          |                                                                                                                            |          |    |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |
| 5                                                                                   | 5                        | 5                                                                                                                          | 5        | 5  |  |    |    |    |                                                                          |    |                                                                           |    |                                                                           |