

Maths Tasks:

White Rose Year 4 Summer Term Week 6 w/c/ 1st June

On these White Rose Lessons you will watch a little video which clearly explains the processes covered in this week's fractions work; Adding and Subtracting Fractions and finding Fractions of Quantities. I know these are from last week but they match perfectly with what we have to learn and continue on perfectly with work set last week.

White Rose Worksheets found on our class webpage as sheets not available on line

<https://whiterosemaths.com/homelearning/year-4/>

White Rose Maths

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Summer Term - Week 6 (w/c 1st June)

Lesson 1 - Add 2 or more fractions

Add 2 or more fractions

$\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$

That's easy, 3 + 1 is 4 and 5 + 5 is 10 so the answer is $\frac{4}{10}$

11:45

Looking for the worksheets? Contact your child's school to check if they have a subscription to our worksheets. Alternatively, [read more here](#) or get some extra practice from BBC Bitesize.

Lesson 2 - Subtract fractions

Subtracting fractions

Amir has $\frac{3}{5}$ of a roll of ribbon.
He cuts $\frac{2}{5}$ of the roll off.

What fraction of the roll does he have left?

18:24

Looking for the worksheets? Contact your child's school to check if they have a subscription to our worksheets. Alternatively, [read more here](#) or get some extra practice from BBC Bitesize.

Home Learning

Easter Fun

Summer Term

Home Learning - Early Years

Home Learning - Year 1

Home Learning - Year 2

Home Learning - Year 3

Home Learning - Year 4

Home Learning - Year 5

Home Learning - Year 6

Home Learning - Year 7

Home Learning - Year 8

Home Learning - Year 9

Home Learning - Year 10

Try all 5 lessons for this week and see how you get on

BBC Bitesize Daily Lessons Year 4 Maths w/c/ 1st June

Lessons covering the same learning objectives based on Fractions can be found on BBC Bitesize Daily Lessons:

<https://www.bbc.co.uk/bitesize/tags/z63tt39/year-4-and-p5-lessons/1>

Again, go back in time and look for the Maths lessons for the Week Commencing 1st June.

On this website, they normally have video explaining the processes, online activities and links to twinkl for more sheets to help you with consolidating the knowledge

Year 4/ P5 online lessons				
Monday 1 June- Friday 5 June				
				
Monday	Tuesday	Wednesday	Thursday	Friday
Maths Adding fractions	Maths Subtracting fractions including subtracting from wholes	Maths Fraction of an amount	Maths Problem solving with fractions	Maths Challenge of the week

Extra Tasks and Challenges

Task 1:

Add the following fractions together. Use the pizzas to help you work out the answer. Shade the pizza at the end of each question to show the total number of slices. The first one has been done for you.

a) $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$

b) $\frac{1}{5} + \frac{2}{5} = \square$

c) $\frac{2}{6} + \frac{3}{6} = \square$

Use the bar models below to add the fractions. Shade in the fraction on each bar before adding them. The first one has been done for you.

a) $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$

b) $\frac{2}{6} + \frac{4}{6} = \square$

c) $\frac{5}{8} + \frac{2}{8} = \square$

d) $\frac{4}{7} + \frac{2}{7} = \square$

Task 2:

Adding Fractions

Add and subtract fractions with the same denominator within one whole.

Complete the following calculations.

a) $\frac{1}{3} + \frac{2}{3} =$ _____

g) $\frac{1}{4} + \frac{3}{4} =$ _____

b) $\frac{3}{7} + \frac{2}{7} =$ _____

h) $\frac{2}{5} + \frac{1}{5} =$ _____

c) $\frac{2}{8} + \frac{5}{8} =$ _____

i) $\frac{3}{6} + \frac{2}{6} =$ _____

d) $\frac{6}{12} + \frac{5}{12} =$ _____

j) $\frac{2}{9} + \frac{5}{9} =$ _____

e) $\frac{3}{10} + \frac{4}{10} =$ _____

k) $\frac{3}{8} + \frac{4}{8} =$ _____

f) $\frac{2}{20} + \frac{8}{20} =$ _____

l) $\frac{6}{10} + \frac{2}{10} =$ _____

Challenge

1. What two fractions could be added together to make $\frac{3}{7}$?

2. What two fractions could be added together to make $\frac{8}{10}$?

Task 3:

- 1) Read the children's clues and match them to the correct calculations.



Luca

The answer to my calculation is 2.

The answer to my calculation is greater than a whole and the numerator is an odd number.



Sarah



Tom

The answer to my calculation is greater than a whole and the numerator is an even number.

My fraction calculation has the smallest answer.



Angus



Georgia

The answer to my calculation is $\frac{1}{6}$ less than a whole.

The answer to my calculation is greater than a whole and its numerator is a single digit.



Sita

$$\frac{10}{6} + \frac{4}{6}$$

$$\frac{5}{6} + \frac{5}{6} + \frac{1}{6}$$

$$\frac{5}{6} + \frac{4}{6}$$

$$\frac{2}{6} + \frac{2}{6} + \frac{1}{6}$$

$$\frac{4}{6} + \frac{4}{6} + \frac{4}{6}$$

$$\frac{1}{6} + \frac{1}{6}$$

Child	Calculation
Luca	
Sarah	
Tom	

Child	Calculation
Angus	
Georgia	
Sita	

- 2) Use each digit below once to complete the fractions in the grid so that each column, row or diagonal line adds up to $\frac{15}{4}$.

1	2	3	4	5
6	7	8	9	

$\frac{\square}{4}$	$\frac{\square}{4}$	$\frac{\square}{4}$
$\frac{\square}{4}$	$\frac{\square}{4}$	$\frac{\square}{4}$
$\frac{\square}{4}$	$\frac{\square}{4}$	$\frac{\square}{4}$

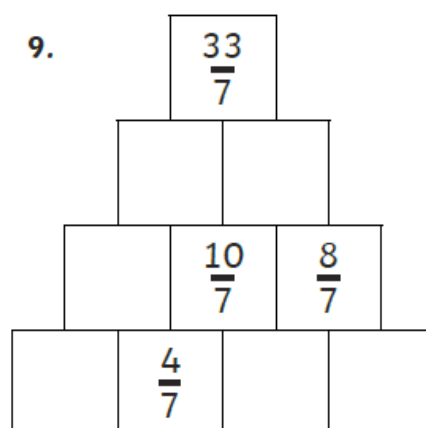
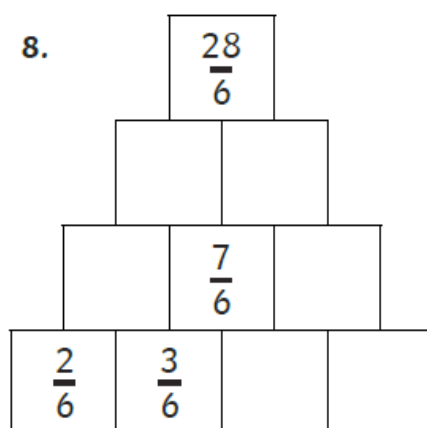
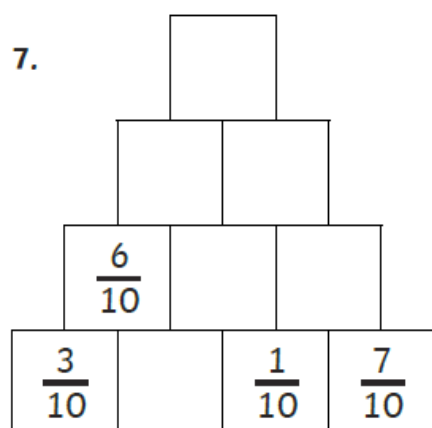
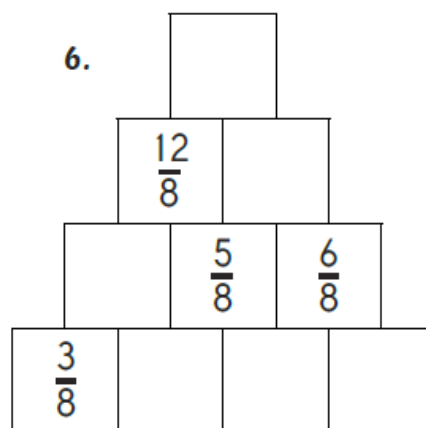
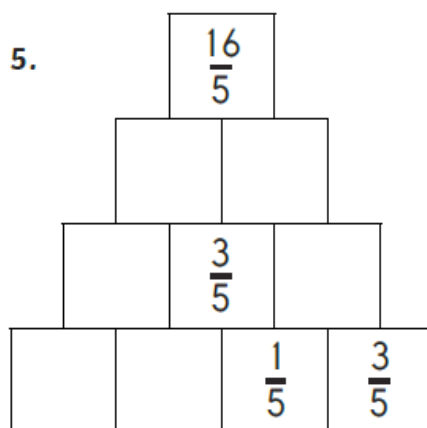
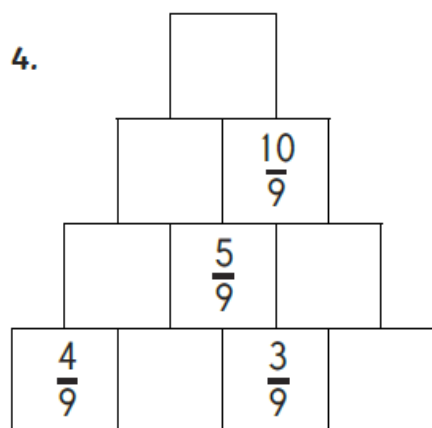
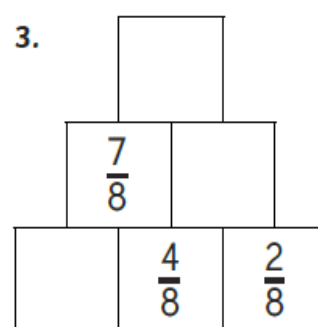
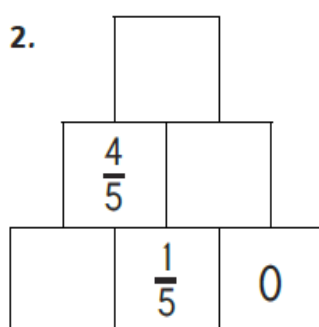
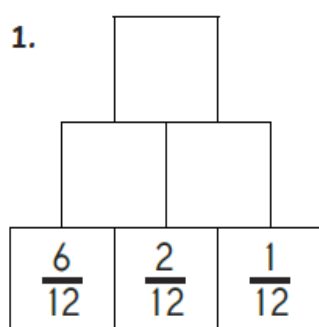
Task 4:



Adding and Subtracting Fractions

Each pair of blocks totals the block above them. Use addition and subtraction to fill in the missing fractions and complete the steps.

Can you give the fractions as improper fractions and as mixed numbers?



Task 5:

Alex is adding fractions.

$$\frac{3}{9} + \frac{2}{9} = \frac{5}{18}$$



Is she correct? Explain why.

Alex is subtracting fractions.



$$4 - \frac{3}{4} = \frac{1}{4}$$

Explain why Alex is incorrect.

How many different ways can you find to solve the calculation?

$$\frac{\square}{\square} + \frac{\square}{\square} = \frac{11}{9}$$

Complete the subtractions.

a) $\frac{8}{8} - \frac{5}{8} = \square$

d) $2 - \frac{5}{7} = \square$

b) $1 - \frac{5}{8} = \square$

e) $4 - \frac{5}{7} = \square$

c) $2 - \frac{5}{8} = \square$

f) $4 - \frac{7}{5} = \square$

Mo and Teddy are solving:

$$\frac{6}{13} + \frac{5}{13} + \frac{7}{13}$$

Mo



The answer is 1 and $\frac{5}{13}$

Teddy

The answer is $\frac{18}{13}$



Who do you agree with?
Explain why.

Task 6:

Linking fractions and division

If this chocolate bar was cut into four equal pieces, how many chunks would be in each piece?

$\frac{1}{4}$ of 24 is

$\frac{3}{4}$ of 24 is

If this chocolate bar was cut into three equal pieces, how many chunks would be in each piece?

$\frac{1}{3}$ of 24 is

$\frac{2}{3}$ of 24 is

If this chocolate bar was cut into six equal pieces, how many chunks would be in each piece?

$\frac{1}{6}$ of 24 is

$\frac{5}{6}$ of 24 is

If this chocolate bar was cut into eight equal pieces, how many chunks would be in each piece?

$\frac{1}{8}$ of 24 is

$\frac{3}{8}$ of 24 is



Challenge

What other fraction of this chocolate bar would give you a whole number of pieces?
List as many as you can. Write how many pieces each fraction would give you, e.g. $\frac{5}{8}$ of 24 is 15.

$40 \div 5 =$

, so

$\frac{1}{5}$ of 40 is

$\frac{4}{5}$ of 40 is

$40 \div 10 =$

, so

$\frac{1}{10}$ of 40 is

$\frac{7}{10}$ of 40 is

$\frac{3}{10}$ of 40 is

$40 \div 8 =$

, so

$\frac{1}{8}$ of 40 is

$\frac{5}{8}$ of 40 is

$\frac{8}{8}$ of 40 is

Task 7:

The Fraction Hunter's story

Finding fractions is easy! Talk yourself through it as if you were telling yourself a story:

How do I find $\frac{1}{9}$ th of 36?

I divide 36 by the fraction's denominator which is 9, so $36 \div 9 = 4$.

So, $\frac{1}{9}$ th of 36 = 4

Now, how would I find $\frac{2}{9}$ ths of 36?

Well, if $\frac{1}{9}$ th of 36 = 4,

then to find $\frac{2}{9}$ ths of 36, I must multiply 4 (which is $\frac{1}{9}$ th) by the number of 9ths I have been asked to find which is 2, so $4 \times 2 = 8$.

So my answer is : $\frac{2}{9}$ ths of 36 = 8

Using this story as a model, try and hunt down these fractions:

$\frac{1}{8}$ th of 48

$\frac{3}{4}$ of 80

$\frac{3}{8}$ ths of 48

$\frac{1}{3}$ of 90

$\frac{1}{3}$ rd of 12

$\frac{2}{3}$ of 90

$\frac{2}{3}$ rds of 12

$\frac{1}{8}$ of 40

$\frac{1}{4}$ of 48

$\frac{5}{8}$ of 40

$\frac{3}{4}$ of 48

$\frac{1}{5}$ of 30

$\frac{1}{6}$ of 30

$\frac{3}{5}$ of 30

$\frac{5}{6}$ of 30

Write your answers as stories, just like I

$\frac{1}{5}$ of 15

have done above.

$\frac{2}{5}$ of 15

$\frac{1}{9}$ of 18

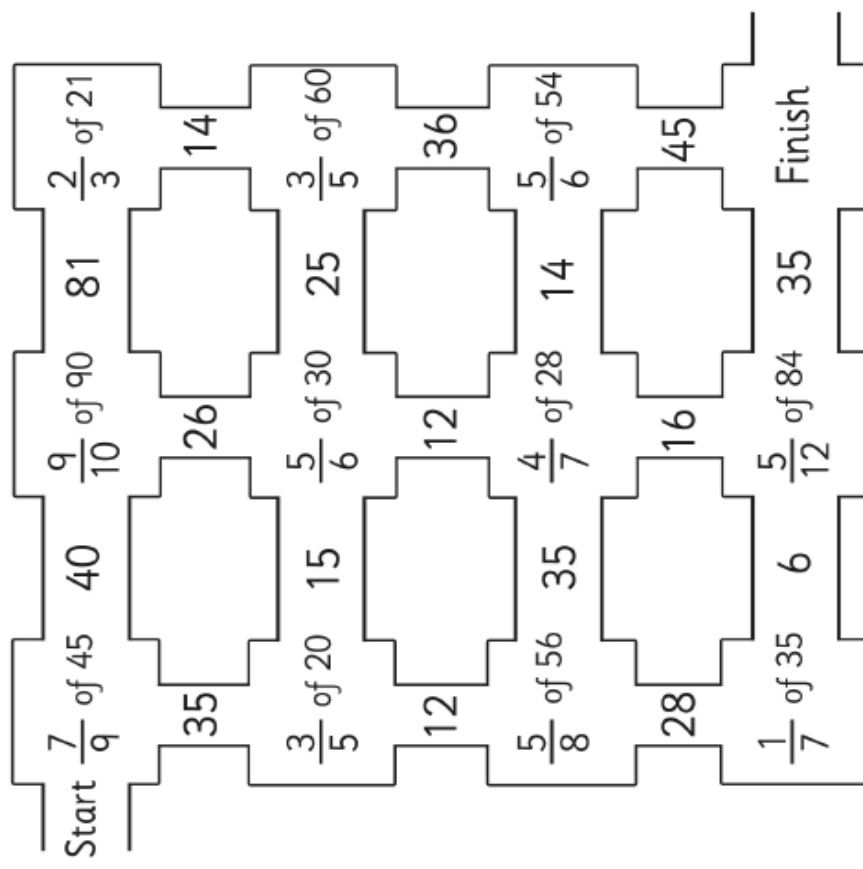
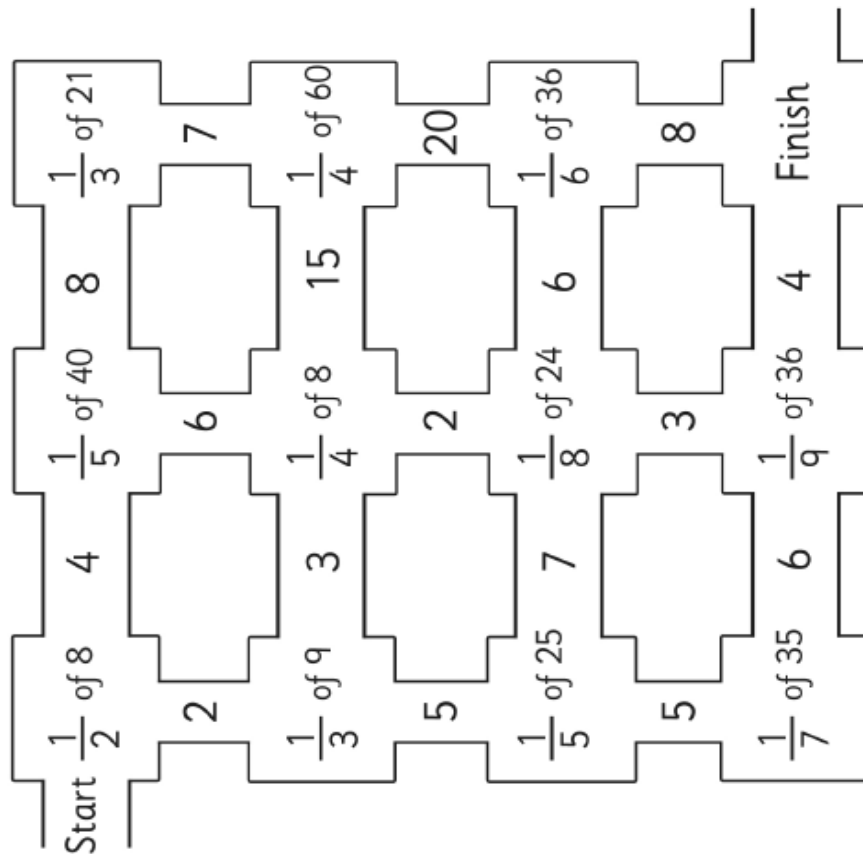
$\frac{5}{9}$ of 18

$\frac{1}{4}$ of 80

Task 8:

Fraction Maze

Name: Date:



Task 9:



Would You Rather...?

Calculate the amount in each choice and then select the largest amount.
Use fraction bars or calculations to help you to work out your answers.

- | | | | |
|-------------------------|----------------------|-----------------------|-----------------------|
| 1. Would you rather...? | $\frac{1}{4}$ of £4 | $\frac{1}{2}$ of £8 | $\frac{1}{3}$ of £6 |
| 2. Would you rather...? | $\frac{1}{4}$ of £8 | $\frac{1}{2}$ of £4 | $\frac{1}{3}$ of £9 |
| 3. Would you rather...? | $\frac{2}{3}$ of £36 | $\frac{3}{4}$ of £36 | $\frac{1}{5}$ of £55 |
| 4. Would you rather...? | $\frac{2}{5}$ of £35 | $\frac{1}{8}$ of £96 | $\frac{3}{6}$ of £30 |
| 5. Would you rather...? | $\frac{4}{5}$ of £25 | $\frac{2}{3}$ of £27 | $\frac{3}{10}$ of £60 |
| 6. Would you rather...? | $\frac{3}{8}$ of £48 | $\frac{3}{4}$ of £44 | $\frac{5}{9}$ of £45 |
| 7. Would you rather...? | $\frac{2}{6}$ of £54 | $\frac{3}{7}$ of £49 | $\frac{4}{12}$ of £60 |
| 8. Would you rather...? | $\frac{5}{6}$ of £72 | $\frac{8}{10}$ of £70 | $\frac{7}{9}$ of £72 |