

Tuesday Maths - Task 1

1. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td>2</td><td>4</td><td>1</td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>								2	4	1																										2. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td>8</td><td>2</td><td>5</td><td>7</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>								8	2	5	7																									3. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td>9</td><td>3</td><td>9</td><td>9</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>								9	3	9	9																								
2	4	1																																																																																																									
8	2	5	7																																																																																																								
9	3	9	9																																																																																																								
4. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td>5</td><td>2</td><td>1</td><td>4</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>								5	2	1	4																									5. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td>7</td><td>5</td><td>4</td><td>5</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>								7	5	4	5																									6. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td>9</td><td>8</td><td>6</td><td>7</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>								9	8	6	7																								
5	2	1	4																																																																																																								
7	5	4	5																																																																																																								
9	8	6	7																																																																																																								
7. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td>5</td><td>4</td><td>3</td><td>3</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>								5	4	3	3																									8. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td>5</td><td>1</td><td>3</td><td>7</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>								5	1	3	7																									9. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td>7</td><td>4</td><td>3</td><td>9</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>								7	4	3	9																								
5	4	3	3																																																																																																								
5	1	3	7																																																																																																								
7	4	3	9																																																																																																								

Tuesday - Task 2

One-Step Division With Remainders Word Problems

1. A teacher asks some children to organise a box of 37 quoits by hanging them in threes on some hooks. How many hooks are needed?



One-Step Division With Remainders Word Problems

2. Forty-six pieces of apple are shared equally among 9 children. How many pieces of apple do each receive?



One-Step Division With Remainders Word Problems

3. In an office, there are 8 desks. A pack of 35 sets of sticky notes need sharing equally among the desks. How many sets of sticky notes are on each desk?



One-Step Division With Remainders Word Problems

4. A group of 57 dancers are organised into groups of nine. How many full groups of nine can be created?



One-Step Division With Remainders Word Problems

5. A factory makes 67 cars in one day. Each car transporter can carry 8 cars. How many transporters are needed to carry all the cars away?



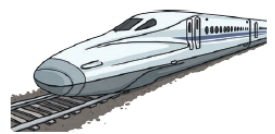
One-Step Division With Remainders Word Problems

6. Bananas are sold in packs of five. How many complete packs of five bananas can be made from 136 bananas?



One-Step Division With Remainders Word Problems

7. A school party of 86 children are to travel on a steam train. 9 children can fit into each compartment. How many compartments will be needed?



One-Step Division With Remainders Word Problems

8. A plate holds 6 pieces of cake. How many full plates can be created from 74 pieces?



Wednesday Maths - Task 1

1. $429 \div 3 =$

16. $592 \div 4 =$

2. $560 \div 4 =$

17. $684 \div 2 =$

3. $615 \div 5 =$

18. $328 \div 4 =$

4. $764 \div 4 =$

19. $648 \div 8 =$

5. $288 \div 3 =$

20. $684 \div 6 =$

6. $670 \div 5 =$

21. $954 \div 9 =$

7. $488 \div 2 =$

22. $637 \div 7 =$

8. $920 \div 4 =$

23. $678 \div 6 =$

9. $363 \div 3 =$

24. $665 \div 7 =$

10. $510 \div 5 =$

25. $945 \div 9 =$

11. $504 \div 4 =$

26. $864 \div 8 =$

12. $642 \div 6 =$

27. $574 \div 7 =$

13. $752 \div 8 =$

28. $708 \div 6 =$

14. $558 \div 6 =$

29. $936 \div 9 =$

15. $728 \div 8 =$

30. $623 \div 7 =$

Wednesday Maths - Task 2

Two-Step Division Word Problems

1. There are seventeen boys and fourteen girls in a class. The children sit at tables of 4. How many tables are needed?



Two-Step Division Word Problems

2. A pencil factory makes 463 pencils in one hour, but 32 are found to be faulty. The pencils are sold in packs of 12. How many packs will be filled by the non-faulty pencils?



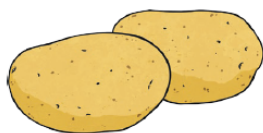
Two-Step Division Word Problems

3. A teacher has 2 boxes of pencils. One has 173 pencils and the other 149 pencils. He puts the pencils together and shares them equally into 7 pots. How many pencils will there be in each pot?



Two-Step Division Word Problems

4. A grocer has 189 baking potatoes. The grocer puts 75 baking potatoes out individually and bags the rest of the potatoes into packs of 6. How many packs of 6 does the grocer make?



Two-Step Division Word Problems

5. A toy warehouse has 156 packs of 3 cars. The cars are to be re-boxed in packs of 5. How many packs of 5 can be made from these cars?



Two-Step Division Word Problems

6. A sports trust organises a football competition. 23 teams of 11 players enter, and 176 individual players who want to be made into new teams. If all the individual players are made into new teams of 11 players, how many teams will play in the competition?



Two-Step Division Word Problems

7. Marbles are sold in bags of 25. A marble machine produces 1892 marbles per hour. How many bags of 25 marbles can be filled from the marbles made by this marble machine in six hours?



Two-Step Division Word Problems

8. A sports shop has 45 boxes of tennis balls, each with 3 tennis balls. It also has 129 tennis balls which are put into boxes of 3 tennis balls. How many boxes are there altogether?



Thursday Maths - Task 1

1. $1047 \div 3 =$

2. $2456 \div 4 =$

3. $3295 \div 5 =$

4. $2784 \div 4 =$

5. $1011 \div 3 =$

6. $2780 \div 5 =$

7. $1564 \div 2 =$

8. $2244 \div 4 =$

9. $1944 \div 3 =$

10. $3150 \div 5 =$

11. $2028 \div 4 =$

12. $3816 \div 6 =$

13. $2696 \div 8 =$

14. $3348 \div 6 =$

15. $5280 \div 8 =$

16. $1892 \div 4 =$

17. $3744 \div 6 =$

18. $1880 \div 4 =$

19. $4592 \div 8 =$

20. $2922 \div 6 =$

21. $4878 \div 9 =$

22. $4655 \div 7 =$

23. $2292 \div 6 =$

24. $4529 \div 7 =$

25. $4419 \div 9 =$

26. $4200 \div 8 =$

27. $3801 \div 7 =$

28. $3402 \div 6 =$

29. $4851 \div 9 =$

30. $3248 \div 7 =$

Thursday Maths - Task 2

1. $1468 \div 3 =$ _____

9. $4521 \div 8 =$ _____

2. $3452 \div 5 =$ _____

10. $2804 \div 5 =$ _____

3. $7489 \div 4 =$ _____

11. $6321 \div 6 =$ _____

4. $1957 \div 6 =$ _____

12. $5407 \div 3 =$ _____

5. $3652 \div 7 =$ _____

13. $3648 \div 7 =$ _____

6. $5239 \div 4 =$ _____

14. $1357 \div 8 =$ _____

7. $5269 \div 9 =$ _____

15. $4635 \div 4 =$ _____

8. $7652 \div 3 =$ _____

16. $3165 \div 4 =$ _____

17. $3204 \div 5$ Will there be a remainder? Yes / No

Explain your answer.

Check your answer $3204 \div 5 =$ _____

18. $3321 \div 3$ Will there be a remainder? Yes / No

Explain your answer.

Check your answer $3321 \div 3 =$ _____

Thursday Maths - Task 3

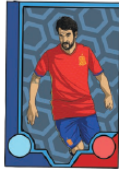
Multi-Step Division Word Problems Challenge Cards

1. A teacher has 7 packs of 12 pencils and 2 packs of 54 pencils. The teacher shares these pencils out into 8 pencils pots. How many pencils will be in each pot?



Multi-Step Division Word Problems Challenge Cards

2. A child has a collection of football cards. They are to be kept in a folder with 9 cards on each page. The child has 28 complete sets of 12 cards, and another 61 cards. How many pages will be needed to store the cards.



Multi-Step Division Word Problems Challenge Cards

3. A printer can print 14 birthday cards on a sheet of card. The printer needs to print the following:
- 28 packs of 4 cards
 - 18 packs of 10 cards

How many sheets of cards will be needed to print these cards?

Multi-Step Division Word Problems Challenge Cards

4. A ten pin bowling alley buys 6 packs of new pins, with each pack containing 8 pins. All the pins in the alley are collected from the lanes and counted. Of the 267 pins, 29 are thrown away due to damage. The remaining pins and new pins are combined and shared equally among the 18 lanes, with any remaining pins kept as spares. How many pins will be allocated to each lane?

Multi-Step Division Word Problems Challenge Cards

5. A local charity has 3 fundraising events. The events raise £176, £81 and £309 each. After costs of £92 are deducted, the money is shared equally among 3 local children's group. How much does each group receive?



Multi-Step Division Word Problems Challenge Cards

6. At a dancing school, there are 2 classes. The younger class has 65 pupils. The older class has 41 pupils. For a dance, there will be eight equal groups of dancers. How many dancers will there be in each group?

Multi-Step Division Word Problems Challenge Cards

7. Daffodils are arranged into bunches of 12 flowers. A florist buys 9 crates, each with 150 flowers, from one supplier and 4 crates, each with 115 flowers from another. How many bunches of 12 daffodils can be made?



Multi-Step Division Word Problems Challenge Cards

8. A machine produces a toy car every 16 minutes. The machine is switched on at 8.30am each morning and switched off as soon as it finishes a car after 5.15pm. How many cars are produced each day?



Tuesday - Answers

1.							
	2	0	r	1			
2	4	1					

2.							
		3	2	r	1		
8	2	5	7				

3.							
		4	4	r	3		
9	3	9	9				

4.							
		4	2	r	4		
5	2	1	4				

5.							
		7	7	r	6		
7	5	4	5				

6.							
		9	6	r	3		
9	8	6	7				

7.							
		8	6	r	3		
5	4	3	3				

8.							
		2	7	r	2		
5	1	3	7				

Tuesday - Task 2

One-Step Division With Remainders Word Problems

Answers

1. 13 hooks

2. 5 pieces

3. 4 sets

4. 6 groups

5. 9 transporters

6. 27 packs

7. 10 compartments

8. 12 cakes

Wednesday - Answers - Task 1

1. 143	16. 148
2. 140	17. 342
3. 123	18. 82
4. 191	19. 81
5. 96	20. 114
6. 134	21. 106
7. 244	22. 91
8. 230	23. 113
9. 121	24. 95
10. 102	25. 105
11. 126	26. 108
12. 107	27. 82
13. 94	28. 118
14. 93	29. 104
15. 91	30. 89

Wednesday - Answers - Task 2

Two-Step Division Word Problems

Answers

- | | |
|---------------|------------------------|
| 1. 8 tables | 5. 93 packs |
| 2. 35 packs | 6. 39 teams |
| 3. 46 pencils | 7. 454 bags of marbles |
| 4. 19 bags | 8. 88 boxes |

Thursday - Answers

- | | |
|---------|---------|
| 1. 349 | 16. 473 |
| 2. 614 | 17. 624 |
| 3. 659 | 18. 470 |
| 4. 696 | 19. 574 |
| 5. 337 | 20. 487 |
| 6. 556 | 21. 542 |
| 7. 782 | 22. 665 |
| 8. 561 | 23. 382 |
| 9. 648 | 24. 647 |
| 10. 630 | 25. 491 |
| 11. 507 | 26. 525 |
| 12. 636 | 27. 543 |
| 13. 337 | 28. 567 |
| 14. 558 | 29. 539 |
| 15. 660 | 30. 464 |

Thursday Task 2 - Answers

- | | |
|----------------------------|-----------------------------|
| 1. $1468 \div 3 = 489.33$ | 9. $4521 \div 8 = 565.12$ |
| 2. $3452 \div 5 = 690.4$ | 10. $2804 \div 5 = 560.8$ |
| 3. $7489 \div 4 = 1872.25$ | 11. $6321 \div 6 = 1053.5$ |
| 4. $1957 \div 6 = 326.16$ | 12. $5407 \div 3 = 1802.33$ |
| 5. $3652 \div 7 = 521.71$ | 13. $3648 \div 7 = 521.14$ |
| 6. $5239 \div 4 = 1309.75$ | 14. $1357 \div 8 = 169.62$ |
| 7. $5269 \div 9 = 585.44$ | 15. $4635 \div 4 = 1158.75$ |
| 8. $7652 \div 3 = 2550.66$ | 16. $3165 \div 4 = 791.25$ |

Look at the following calculations. Decide if you think there will be a remainder and explain your reasoning. Then solve the calculation to check.

17. $3204 \div 5$ Will there be a remainder? **Yes** / No

Explain your answer.

I think there will be a remainder because the last digit of the number being divided is 4 which is not a multiple of 5 therefore there will be a remainder. If the number ended in 0 or 5 there would not be a remainder.

Check your answer $3204 \div 5 = 640.8$

18. $3321 \div 3$ Will there be a remainder? Yes / **No**

Explain your answer.

I don't think there will be a remainder because the sum of all the digits is 9 which is a multiple of 3, e.g. $3+3+2+1 = 9$

Check your answer $3321 \div 3 = 1107$

Thursday Task 3 - Answers

Multi-Step Division Word Problems Challenge Cards

Answers

- | | |
|---------------|---|
| 1. 24 pencils | 7. 150 bunches |
| 2. 45 pages | 8. 33 cars (8.30am to 5.15pm is 525 minutes. $525 \div 16 = 32 \text{ r}13$. The 33rd car will be finished at 5.18pm.) |
| 3. 21 sheets | |
| 4. 15 pins | |
| 5. £158 | |
| 6. 13 dancers | |