

19.1.21

## Multiplication and Division

Learning Objective:

We are learning to divide 4 digit numbers by a single digit.

I will be successful if:

- I can try different methods and reason about my preferred method.
- I can use times tables facts to help solve calculations.
- I can carry over any remaining digits.

## Key Vocabulary

division

sharing

equal groups

remaining

exchange

partition

digit

# Flashback 4

Year 5 | Week 3 | Day 2



- 1) Dan earns £2,072 per month.  
How much does he earn in a year?
- 2) Multiply 172 by 5
- 3) Which of these numbers has a remainder when you divide by 5?  
35    45    77    80
- 4) Work out  $5,512 - 3,272$



## Challenge

5)  $7^2 + 4^3 =$

6)  $8^2 + 10^2 =$

7)  $5^3 - 5^2 =$

8)  $5^2 + \underline{\quad} = 89$

# Flashback 4

Year 5 | Week 3 | Day 2

- 1) Dan earns £2,072 per month.  
How much does he earn in a year? **£24,864**



- 2) Multiply 172 by 5 **860**

- 3) Which of these numbers has a remainder when you divide by 5?

35   45   **77**   80

- 4) Work out  $5,512 - 3,272$  **2,240**

White  
Rose  
Maths

## Challenge

5) 113

6) 164

7) 100

8)  $8^2$

Recap from yesterday

$$4 \overline{) 328}$$

Explain how solve this calculation using the bus stop method.

Now let's have a look at a 4 digit number.

$$6 \overline{)1506}$$

If we are dividing by 6 what is the highest remainder you can carry over?

Have a go completing these now.

	5	3	5	6	0		

	6	9	7	8	6		

	9	2	7	3	6		

	3	4	6	8	3		

Work out the values of  $a$ ,  $b$  and  $c$ .

9,415						
$a$	$a$	$a$	$a$	$a$	$a$	$a$

$$a = \boxed{\phantom{000}}$$

$b$	$b$	$b$	$b$	$b$	$b$	$b$	$b$
5,328							

$$b = \boxed{\phantom{000}}$$

## Discuss these with a partner

### Spot the Mistake

Explain and correct the working.

Thousands	Hundreds	Tens	Ones
  	 		 

	3	1	0	1
3	9	4	1	4

Jack is calculating  $2,240 \div 7$

He says you can't do it because 7 is larger than all of the digits in the number.

Do you agree with Jack?  
Explain your answer.

## 19.1.21

## Division

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.  $3248 \div 7 =$

## 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 |

