Varied Fluency
Step 10: Divide 3-Digits by 1-Digit

National Curriculum Objectives:

Mathematics Year 4: (4C6a) Recall multiplication and division facts for multiplication tables up to 12 × 12
Mathematics Year 4: (4C6b) Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

Differentiation:

Developing Questions to support dividing 3-digits by 2, 3, 4, 5 and 8 with pictorial support; without exchanging; no remainders.
Expected Questions to support dividing 3-digits by 2, 3, 4, 5, 6, 7, 8 and 9 with some pictorial support; some exchanging; no remainders.
Greater Depth Questions to support dividing 3-digits by 1-digit without pictorial support; with exchanging; with remainders.

More resources which follow the same small steps as White Rose.

Did you like this resource? Don't forget to review it on our website.

Divide 3-Digits by 1-Digit

1a. Use place value counters to divide the amount below by 2.

H	T	O
100 100	10 10 10 10 10 10	1 1 1 1 1 1 1 1

Record your calculations using the short division method.

D VF

1b. Use place value counters to divide the amount below by 5.

H	T	O
100 100 100 100 100	10 10 10 10	1 1 1 1 1

Record your calculations using the short division method.

D VF

2a. Add the missing place value counters to divide six hundred and thirty nine by three.

H	T	O
100 100	10	1

Use short division to show your calculations.

D VF

2b. Add the missing place value counters to divide eight hundred and forty eight by four.

H	T	O
100	10 10	1 1

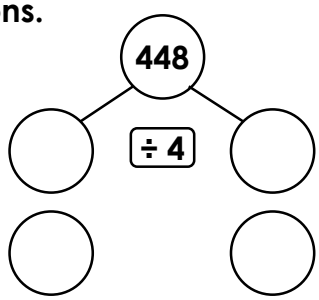
Use short division to show your calculations.

D VF

3a. True or false?

448 ÷ 4 = 112

Partition the number to support your calculations.

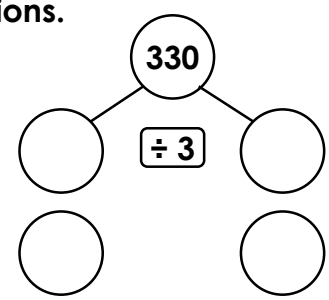


D VF

3b. True or false?

330 ÷ 3 = 111

Partition the number to support your calculations.



D VF

4a. Add the symbol <, > or = to make the following statement correct.

488 ÷ 4 ◯ 888 ÷ 8

D VF

4b. Add the symbol <, > or = to make the following statement correct.

424 ÷ 2 ◯ 848 ÷ 4

D VF

Divide 3-Digits by 1-Digit

5a. Use place value counters to divide the amount below by 3.

H	T	O
100 100 100 100 100 100	10 10	1 1 1 1 1 1 1

Record your calculations using the short division method.

VF

5b. Use place value counters to divide the amount below by 4.

H	T	O
100 100 100 100	10 10 10 10 10 10 10 10 10	1 1 1 1 1 1

Record your calculations using the short division method.

VF

6a. Draw the place value counters to divide three hundred and sixty six by six.

H	T	O

Use short division to show your calculations.

VF

6b. Draw the place value counters to divide three hundred and fifty seven by seven.

H	T	O

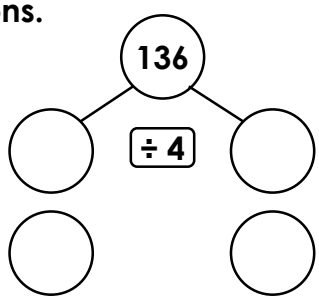
Use short division to show your calculations.

VF

7a. True or false?

432 ÷ 4 = 118

Partition the number to support your calculations.

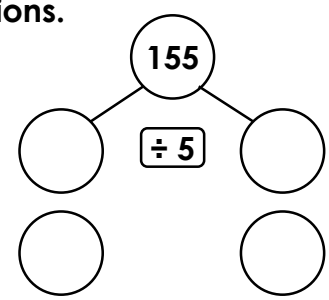


VF

7b. True or false?

155 ÷ 5 = 31

Partition the number to support your calculations.



VF

8a. Add the symbol <, > or = to make the following statement correct.

728 ÷ 7 ◯ 848 ÷ 8

VF

8b. Add the symbol <, > or = to make the following statement correct.

927 ÷ 9 ◯ 816 ÷ 8

VF

Divide 3-Digits by 1-Digit

9a. Use place value counters to divide the amount below:

$$559 \div 6 =$$

Record your calculations using the short division method.

GD VF

Divide 3-Digits by 1-Digit

9b. Use place value counters to divide the amount below:

$$382 \div 7 =$$

Record your calculations using the short division method.

GD VF

10a. Jimmy is trying to solve the following problem:

Seven hundred and seventy-one rugby tickets were donated to local schools. The tickets were divided equally between nine schools. How many tickets did each school receive?

Show your working.

GD VF

10b. Sara is trying to solve the following problem:

There are nine hundred and thirty-four children in a secondary school. They need to be split into four teams. How many children will be in each team?

Show your working.

GD VF

11a. True or false?

$$752 \div 3 = 252$$

Partition the number to support your calculations.

GD VF

11b. True or false?

$$579 \div 2 = 284 \text{ r } 1$$

Partition the number to support your calculations.

GD VF

12a. Add the symbol <, > or = to make the following statement correct.

$$612 \div 4 \bigcirc 718 \div 8$$

GD VF

12b. Add the symbol <, > or = to make the following statement correct.

$$359 \div 9 \bigcirc 597 \div 6$$

GD VF

Varied Fluency
Divide 3-Digits by 1-Digit

Developing
1a. 268 ÷ 2 = 134
2a. 639 ÷ 3 = 213
3a. True.
4a. >

Expected
5a. 627 ÷ 3 = 209
6a. 366 ÷ 6 = 61
7a. False, the correct answer is 108
8a. <

Greater Depth
9a. 559 ÷ 6 = 93 remainder 1.
10a. 771 ÷ 9 = 85 Each school received 85 tickets and there were 6 left over.
11a. False, the correct answer is 250 remainder 2.
12a. >

Varied Fluency
Divide 3-Digits by 1-Digit

Developing
1b. 555 ÷ 5 = 111
2b. 848 ÷ 4 = 212
3b. False, the correct answer is 110.
4b. =

Expected
5b. 496 ÷ 4 = 124
6b. 357 ÷ 7 = 51
7b. True.
8b. >

Greater Depth
9b. 382 ÷ 7 = 54 remainder 4.
10b. 934 ÷ 4 = 233 There will be 233 children in each team and 2 left over.
11b. False, the correct answer is 289 remainder 1.
12b. <