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 a 1-digit number with pictorial support. With no exchanges and some remainders.
Expected Questions to support dividing 3 digits by a 1-digit number with some pictorial support. Includes some exchanges and some remainders.
Greater Depth Questions to support dividing 3 digits by a 1-digit number without pictorial support. Includes exchanging and remainders.

More Year 4 Multiplication and Division resources.

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	10 10 10	1 1 1 1
100	10 10 10	1 1 1 1

Complete the number sentence to show your answer.

☐☐☐ ÷ 2 = ☐☐☐

D VF

Divide 3 Digits by 1 Digit

1b. Use place value counters to divide the amount below by 4.

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

1

Complete the number sentence to show your answer.

☐☐☐ ÷ 4 = ☐☐☐ r ☐

D VF

2a. Complete the part-whole model to divide six hundred and thirty-nine by three.

639 ÷ 3 = ____

600 ÷ 3 = ____ | 30 ÷ 3 = ____ | 9 ÷ 3 = ____

Complete the number sentence to show your answer.

☐☐☐ ÷ ☐ = ☐☐☐

D VF

2b. Complete the part-whole model to divide five hundred and fifty-five by five.

555 ÷ 5 = ____

500 ÷ 5 = ____ | 50 ÷ 5 = ____ | 5 ÷ 5 = ____

Complete the number sentence to show your answer.

☐☐☐ ÷ ☐ = ☐☐☐

D VF

3a. Circle the answer to 448 ÷ 4.

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

D A. 112 r3 B. 112 VF

3b. Circle the answer to 968 ÷ 3.

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

1
1

D A. 322 r2 B. 312 r2 VF

Divide 3 Digits by 1 Digit

4a. Use place value counters to divide the amount below by 3.

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

1

☐☐☐ ÷ 3 = ☐☐☐ r ☐

VF

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

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

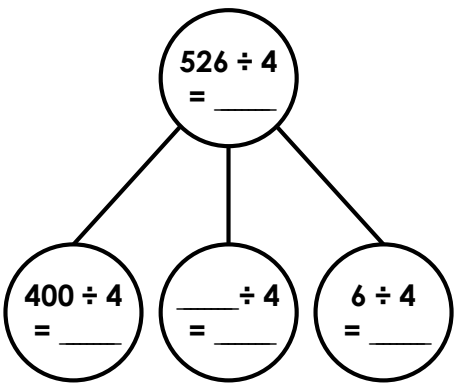
1
1

10 Exchanged for 10 ones and shared equally.

☐☐☐ ÷ 4 = ☐☐☐ r ☐

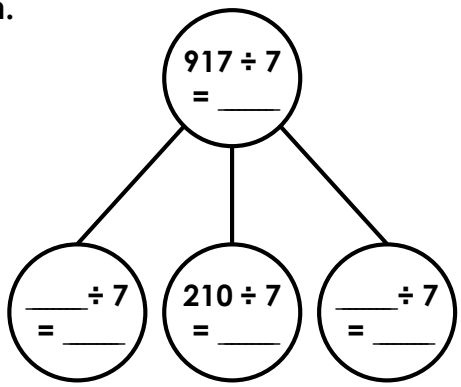
VF

5a. Complete the part-whole model to divide five hundred and twenty-six by four.



VF

5b. Complete the part-whole model to divide nine hundred and seventeen by seven.



VF

6a. Circle the answer to 412 ÷ 4.

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

10 Exchanged for 10 ones and shared equally.

A. 103 B. 113

VF

6b. Circle the answer to 609 ÷ 5.

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

1
1
1
1

A. 121 r4 B. 521 r4

VF

Divide 3 Digits by 1 Digit

7a. Use place value counters to complete the calculation below.

H	T	O

6 5 9 ÷ 6 = ☐☐☐ r ☐

GD VF

Divide 3 Digits by 1 Digit

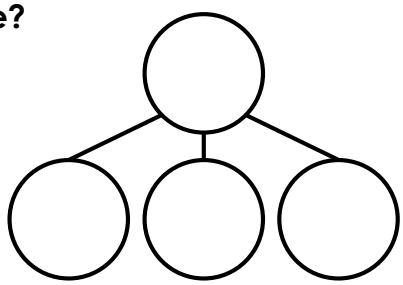
7b. Use place value counters to complete the calculation below.

H	T	O

3 8 7 ÷ 7 = ☐☐☐ r ☐

GD VF

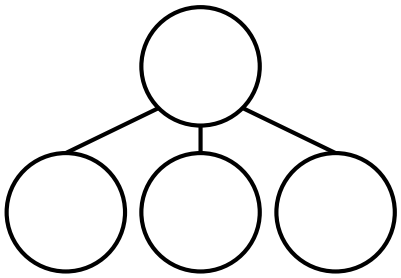
8a. Seven hundred and seventy-one rugby tickets were divided equally between nine schools.
How many tickets did each school receive?



Complete the part-whole model to show your working out. You may not need to use all parts.

GD VF

8b. Nine hundred and thirty-four children were divided equally between four teams.
How many children were on each team?



Complete the part-whole model to show your working out. You may not need to use all parts.

GD VF

9a. Circle the answer to 752 ÷ 3.

A. 250 r2 **B. 252**

Draw a part-whole model or place value chart to show your working out.

GD VF

9b. Circle the answer to 979 ÷ 8.

A. 122 r1 **B. 122 r3**

Draw a part-whole model or place value chart to show your working out.

GD VF

Varied Fluency
Divide 3 Digits by 1 Digit

Developing

1a. 268 ÷ 2 = 134

2a. 639 ÷ 3 = 213;
part-whole: 600 ÷ 3 = 200, 30 ÷ 3 = 10, 9 ÷ 3 = 3

3a. B. 112

Expected

4a. 637 ÷ 3 = 212 r1

5a. 526 ÷ 4 = 131 r2;
part-whole: 400 ÷ 4 = 100, 120 ÷ 4 = 30, 6 ÷ 4 = 1 r2

6a. A. 103

Greater Depth

7a. 659 ÷ 6 = 109 r5

8a. 771 ÷ 9 = 85 r6
Various answers for partitioning, for example: 720 ÷ 9 = 80; 51 ÷ 9 = 5 r6.

9a. A. 250 r2

Varied Fluency
Divide 3 Digits by 1 Digit

Developing

1b. 485 ÷ 4 = 121 r1

2b. 555 ÷ 5 = 111;
part-whole: 500 ÷ 5 = 100, 50 ÷ 5 = 10, 5 ÷ 5 = 1

3b. A. 322 r2

Expected

4b. 494 ÷ 4 = 123 r2

5b. 917 ÷ 7 = 131;
part-whole: 700 ÷ 7 = 100, 210 ÷ 7 = 30, 7 ÷ 7 = 1

6b. A. 121 r4

Greater Depth

7b. 387 ÷ 7 = 55 r2

8b. 934 ÷ 4 = 233 r2
Various answers for partitioning, for example: 800 ÷ 4 = 200; 120 ÷ 4 = 30; 14 ÷ 4 = 3 r2.

9b. B. 122 r3