Varied Fluency
Step 12: Divide by 10, 100 and 1,000

National Curriculum Objectives:

Mathematics Year 5: (5C6b) Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000

Differentiation:

Developing Questions to support dividing by 10, 100 and 1,000. Using decimal numbers; all questions have visual representation for support.
Expected Questions to support dividing by 10, 100 and 1,000. Using numbers up to 3 decimal places.
Greater Depth Questions to support dividing by 10, 100 and 1,000. Multi-step problems using numbers up to 4 decimal places.

More Year 5 Decimals resources.

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

Divide by 10, 100 and 1,000

Divide by 10, 100 and 1,000

1a. Use place value counters to divide 235 by 10.
Show your answer on the place value chart.

Th	H	T	O	Tths

D VF

1b. Use place value counters to divide 6,400 by 1,000.
Show your answer on the place value chart.

Th	H	T	O	Tths

D VF

2a. Has the number been divided by 10, 100 or 1,000?

250 ÷ ☐ =

H	T	O	Tths

D VF

2b. Has the number been divided by 10, 100 or 1,000?

72 ÷ ☐ =

H	T	O	Tths

D VF

3a. Complete the statement.

☐ ÷ 10 =

H	T	O	Tths

D VF

3b. Complete the statement.

☐ ÷ 100 =

H	T	O	Tths

D VF

4a. True or false? The place value chart shows the answer for 4,320 divided by 100.

Th	H	T	O	Tths

D VF

4b. True or false? The place value chart shows the answer for 3,500 divided by 1,000.

Th	H	T	O	Tths

D VF

Divide by 10, 100 and 1,000

Divide by 10, 100 and 1,000

5a. Use place value counters to divide 124 by 100.
Show your answer on the place value chart.

Th	H	T	O	Tths	Hths	Thths

E VF

5b. Use place value counters to divide 3,453 by 1,000.
Show your answer on the place value chart.

Th	H	T	O	Tths	Hths	Thths

E VF

6a. Has the number been divided by 10, 100 or 1,000?

5,645 ÷ ☐ = 56.45

E VF

6b. Has the number been divided by 10, 100 or 1,000?

832 ÷ ☐ = 0.832

E VF

7a. Complete the statement.

☐ ÷ 100 = 0.67

E VF

7b. Complete the statement.

☐ ÷ 1,000 = 1.64

E VF

8a. True or false? The place value chart shows the answer for 1,245 divided by 100.

Th	H	T	O	Tths	Hths	Thths
	●	● ●	● ● ●	● ● ●		

E VF

8b. True or false? The place value chart shows the answer for 1,432 divided by 1,000.

Th	H	T	O	Tths	Hths	Thths
			●	● ● ●	● ● ●	● ●

E VF

Divide by 10, 100 and 1,000

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9a. Use place value counters to divide 142.5 by 100 and then by 10.
Show your answer on the place value chart.

H	T	O	Tths	Hths	Thths	Tthths

GD VF

9b. Use place value counters to divide 26.31 by 10 and by 10 again.
Show your answer on the place value chart.

H	T	O	Tths	Hths	Thths	Tthths

GD VF

10a. Has the number been divided by 10, 100 or 1,000?

871.9 ÷ ☐ ÷ 10 = 0.8719

GD VF

10b. Has the number been divided by 10, 100 or 1,000?

705 ÷ ☐ ÷ 10 = 0.0705

GD VF

11a. Complete the statement.

0.088 = ☐ ÷ 10

GD VF

11b. Complete the statement.

0.0109 = ☐ ÷ 100

GD VF

12a. True or false? The place value chart show the answer for 56.21 divided by 10 and then by 10 again?

H	T	O	Tths	Hths	Thths	Tthths
			● ● ● ●	● ● ● ●	● ●	●

GD VF

12b. True or false? The place value chart show the answer for 4.2 divided by 100 and then divided by 10.

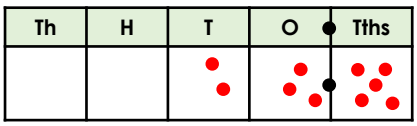
H	T	O	Tths	Hths	Thths	Tthths
				● ● ● ●	● ●	

GD VF

Varied Fluency
Divide by 10, 100 and 1000

Developing

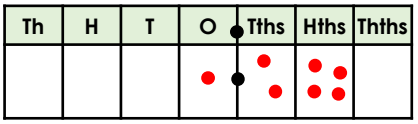
1a.



2a. 100
3a. 231
4a. True

Expected

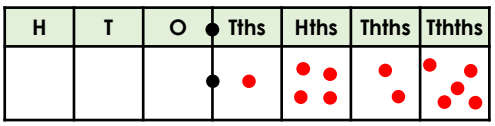
5a.



6a. 100
7a. 67
8a. False

Greater Depth

9a.

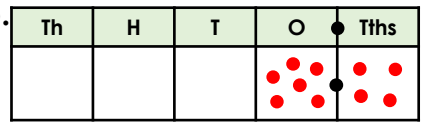


10a. 100
11a. 0.88
12a. True

Varied Fluency
Divide by 10, 100 and 1000

Developing

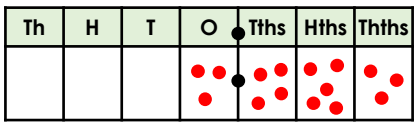
1b.



2b. 10
3b. 180
4b. True

Expected

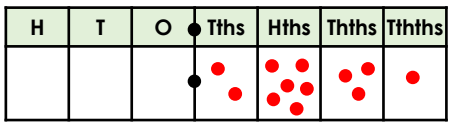
5b.



6b. 1,000
7b. 1,640
8b. True

Greater Depth

9b.



10b. 1000
11b. 1.09
12b. False