

Varied Fluency

Step 4: Percentage of an Amount 1

National Curriculum Objectives:

Mathematics Year 6: (6R2) [Solve problems involving the calculation of percentages \[for example, of measures, and such as 15% of 360\] and the use of percentages for comparison](#)

Mathematics Year 6: (6F11) [Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts](#)

Differentiation:

Developing Questions to support finding percentages of an amount. Finding 10% and 50% of any number.

Expected Questions to support finding percentages of an amount. Finding 1%, 10%, 25% and 50% of any number.

Greater Depth Questions to support finding percentages of an amount. Finding 1%, 10%, 25% and 50% of any number. Some conversions required and decimal numbers used.

More [Year 6 Percentages](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

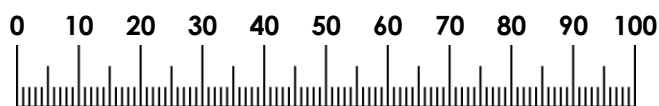
Percentage of an Amount 1

Percentage of an Amount 1

1a. By looking from one number line to the other, find 50% of 200.



Total



Percentage



VF

1b. By looking from one number line to the other, find 10% of 400.



Total



Percentage



VF

2a. Complete the statement, then circle the answer to the calculation below.

To find 10%, I divide by _____,
so what is 10% of 70?



700

35

7

VF

2b. Complete the statement, then circle the answer to the calculation below.

To find 50%, I divide by _____,
so what is 50% of 40?



20

2

4

VF

3a. What value should replace the letter in the calculation below?

$$A\% \text{ of } 14 = \frac{1}{2} \text{ of } 14 = 14 \div 2 = 7$$



VF

3b. What value should replace the letter in the calculation below?

$$10\% \text{ of } 60 = \frac{1}{A} \text{ of } 60 = 60 \div 10 = 6$$



VF

4a. Complete the calculations.

$$50\% \text{ of } 150\text{m} = \underline{\hspace{2cm}} \text{m}$$

$$10\% \text{ of } 150\text{kg} = \underline{\hspace{2cm}} \text{kg}$$

$$10\% \text{ of } 210\text{ml} = \underline{\hspace{2cm}} \text{ml}$$



VF

4b. Complete the calculations.

$$10\% \text{ of } 40\text{km} = \underline{\hspace{2cm}} \text{km}$$

$$50\% \text{ of } 16\text{L} = \underline{\hspace{2cm}} \text{L}$$

$$50\% \text{ of } 650\text{g} = \underline{\hspace{2cm}} \text{g}$$



VF

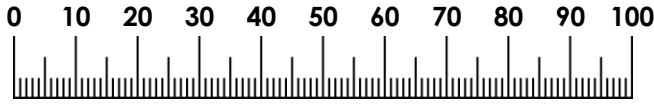
Percentage of an Amount 1

Percentage of an Amount 1

5a. By looking from one number line to the other, find 25% of 300.



Total

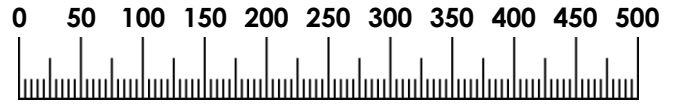


Percentage

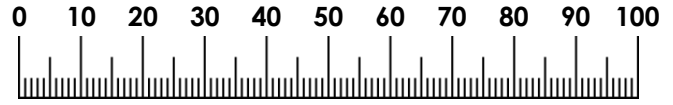


VF

5b. By looking from one number line to the other, find 1% of 500.



Total



Percentage



VF

6a. Complete the statement, then circle the answer to the calculation below.

To find 1%, I divide by _____,
so what is 1% of 200?



20

100

2

VF

6b. Complete the statement, then circle the answer to the calculation below.

To find 25%, I divide by _____,
so what is 25% of 360?



180

36

90

VF

7a. What value should replace each letter in the calculation below?

$$50\% \text{ of } 36 = \frac{A}{2} \text{ of } 36 = 36 \div B = 18$$



VF

7b. What value should replace each letter in the calculation below?

$$A\% \text{ of } 84 = \frac{1}{B} \text{ of } 84 = 84 \div 4 = 21$$



VF

8a. Complete the calculations.

$$1\% \text{ of } 4,500\text{m} = \underline{\hspace{2cm}}\text{m}$$

$$50\% \text{ of } 390\text{g} = \underline{\hspace{2cm}}\text{g}$$

$$25\% \text{ of } 680\text{cm} = \underline{\hspace{2cm}}\text{cm}$$



VF

8b. Complete the calculations.

$$50\% \text{ of } 782\text{ml} = \underline{\hspace{2cm}}\text{ml}$$

$$1\% \text{ of } 1,700\text{cm} = \underline{\hspace{2cm}}\text{cm}$$

$$25\% \text{ of } 536\text{kg} = \underline{\hspace{2cm}}\text{kg}$$



VF

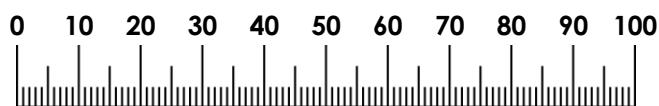
Percentage of an Amount 1

Percentage of an Amount 1

9a. By looking from one number line to the other, find 1% of 120.



Total

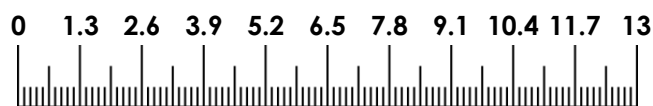


Percentage

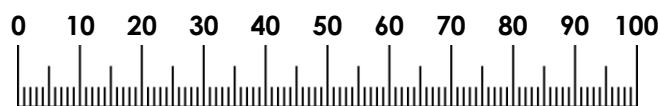


VF

9b. By looking from one number line to the other, find 25% of 13.



Total



Percentage



VF

10a. Use the numbers below to make the statement correct.

To find 25% , I can divide by _____, or divide by _____ then multiply by _____.



8

4

2

VF

10b. Use the numbers below to make the statement correct.

To find 10% , I can divide by _____, or divide by _____ then multiply by _____.



2

10

20

VF

11a. What value should replace each letter in the calculation below?

$$A\% \text{ of } 7.7 = \frac{1}{10} \text{ of } 7.7 = 7.7 \div B = C$$



VF

11b. What value should replace each letter in the calculation below?

$$1\% \text{ of } 45 = \frac{1}{A} \text{ of } 45 = 45 \div B = C$$



VF

12a. Complete the calculations.

$$\underline{\hspace{2cm}}\% \text{ of } 526\text{km} = 52.6\text{km}$$

$$25\% \text{ of } 0.25\text{L} = \underline{\hspace{2cm}}\text{ml}$$

$$1\% \text{ of } 4.25\text{m} = \underline{\hspace{2cm}}\text{mm}$$



VF

12b. Complete the calculations.

$$50\% \text{ of } 1.7\text{kg} = \underline{\hspace{2cm}}\text{g}$$

$$\underline{\hspace{2cm}}\% \text{ of } 199\text{L} = 1.99\text{L}$$

$$25\% \text{ of } 3.22\text{m} = \underline{\hspace{2cm}}\text{mm}$$



VF

Varied Fluency
Percentage of an Amount 1

Developing

- 1a. 100
2a. 10; 10% of 70 = 7
3a. A = 50
4a. 75m; 15kg; 21ml

Expected

- 5a. 75
6a. 100; 1% of 200 = 2
7a. A = 1; B = 2
8a. 45m; 195g; 170cm

Greater Depth

- 9a. 1.2
10a. To find 25% , I can divide by 4, or divide by 8 and multiply by 2.
11a. A = 10; B = 10; C = 0.77
12a. 10%; 62.5ml; 42.5mm

Varied Fluency
Percentage of an Amount 1

Developing

- 1b. 40
2b. 2; 50% of 40 = 20
3b. A = 10
4b. 4km; 8L; 325g

Expected

- 5b. 5
6b. 4; 25% of 360 = 90
7b. A = 25; B = 4
8b. 391ml; 17cm; 134kg

Greater Depth

- 9b. 3.25
10b. To find 10% , I can divide by 10, or divide by 20 then multiply by 2.
11b. A = 100; B = 100; C = 0.45
12b. 850g; 1%; 805mm