Varied Fluency
Step 19: Fraction of an Amount

National Curriculum Objectives:

Mathematics Year 5: (5C8c) Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates

Differentiation:

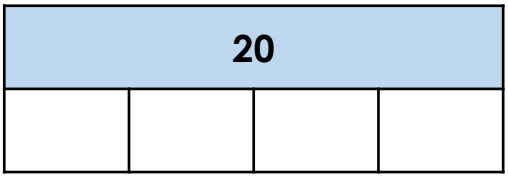
Developing Questions to support finding fractions of amounts. Includes unit fractions only. Pictorial support provided.
Expected Questions to support finding fractions of amounts, quantities and measures. Includes unit fractions and non-unit fractions in their simplest form. Pictorial support provided.
Greater Depth Questions to support finding fractions of amounts, quantities and measures. Includes non-unit fractions and improper fractions. Some pictorial support provided.

More Year 5 Fractions resources.

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

Fraction of an Amount

1a. Complete the bar model and the sentence below.

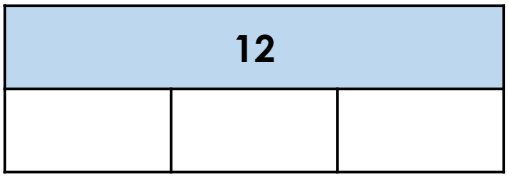


One part equals ☐ so $\frac{1}{4}$ of 20 is ☐.

D VF

Fraction of an Amount

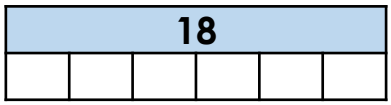
1b. Complete the bar model and the sentence below.



One part equals ☐ so $\frac{1}{3}$ of 12 is ☐.

D VF

2a. Complete the steps below.

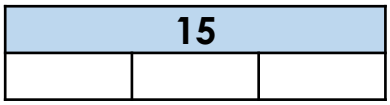


A. 18 ÷ 6 = ☐

B. $\frac{1}{6}$ of 18 = ☐

D VF

2b. Complete the steps below.

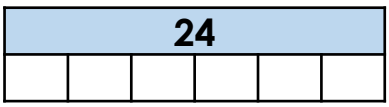


A. 15 ÷ 3 = ☐

B. $\frac{1}{3}$ of 15 = ☐

D VF

3a. Circle the correct answer below.

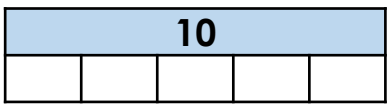


$\frac{1}{6}$ of 24 is...

3 4 5

D VF

3b. Circle the correct answer below.

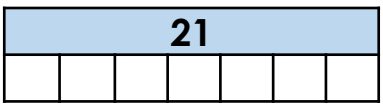


$\frac{1}{5}$ of 10 is...

1 2 3

D VF

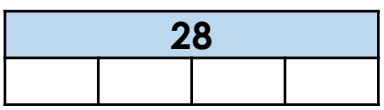
4a. Complete the statement.



$\frac{1}{7}$ of 21 is ☐

D VF

4b. Complete the statement.

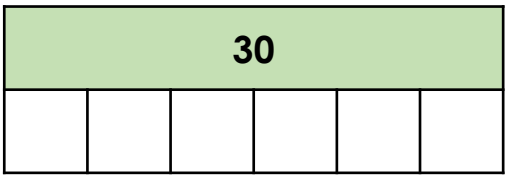


$\frac{1}{4}$ of 28 is ☐

D VF

Fraction of an Amount

5a. Complete the bar model and the sentences below.



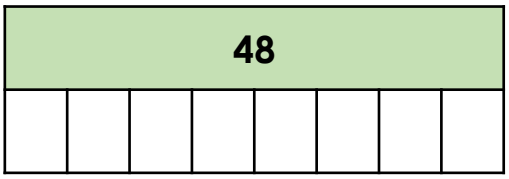
One part equals ☐ so $\frac{1}{6}$ of 30 is ☐.

Five parts equal ☐ so $\frac{5}{6}$ of 30 is ☐.

VF

Fraction of an Amount

5b. Complete the bar model and the sentences below.

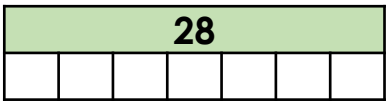


One part equals ☐ so $\frac{1}{8}$ of 48 is ☐.

Three parts equal ☐ so $\frac{3}{8}$ of 48 is ☐.

VF

6a. Complete the steps below.

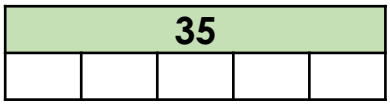


A. $\frac{1}{7}$ of 28 = ☐

B. $\frac{3}{7}$ of 28 = ☐

VF

6b. Complete the steps below.

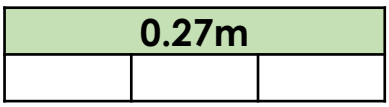


A. $\frac{1}{5}$ of 35 = ☐

B. $\frac{4}{5}$ of 35 = ☐

VF

7a. Circle the correct answer below.

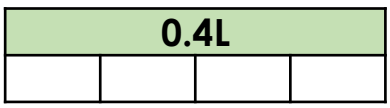


$\frac{2}{3}$ of 0.27m is...

9cm | 12cm | 18cm

VF

7b. Circle the correct answer below.

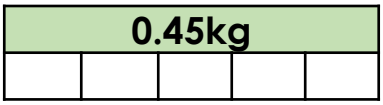


$\frac{3}{4}$ of 0.4L is...

400ml | 300ml | 30ml

VF

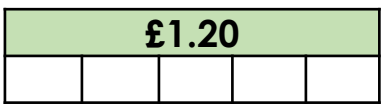
8a. Complete the statement.



$\frac{4}{5}$ of 0.45kg is ☐

VF

8b. Complete the statement.

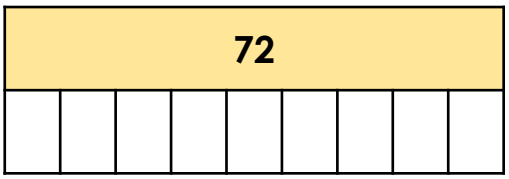


$\frac{2}{3}$ of £1.20 is ☐

VF

Fraction of an Amount

9a. Complete the sentence below.



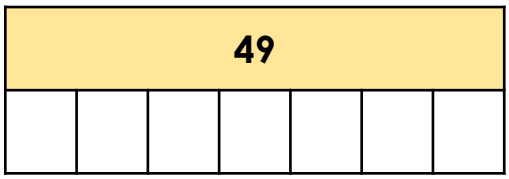
One part equals ☐ so $\frac{4}{9}$ of 72 is ☐

and ☐/☐ of 72 is 40.

GD VF

Fraction of an Amount

9b. Complete the sentence below.

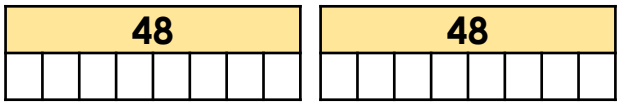


One part equals ☐ so $\frac{4}{7}$ of 49 is ☐

and ☐/☐ of 49 is 42.

GD VF

10a. Complete the calculations below.

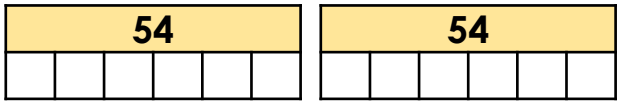


A. $\frac{3}{8}$ of 48 = ☐

B. $\frac{10}{8}$ of 48 = ☐

GD VF

10b. Complete the calculations below.



A. $\frac{5}{6}$ of 54 = ☐

B. $\frac{11}{6}$ of 54 = ☐

GD VF

11a. Circle the correct answer below.

$\frac{11}{4}$ of 8km is...

220m | 20,000m | 22,000m

GD VF

11b. Circle the correct answer below.

$\frac{8}{3}$ of 360cm is...

3.6m | 9.6m | 96m

GD VF

12a. Complete the statements.

A. $\frac{8}{6}$ of 3L is ☐

B. $\frac{9}{8}$ of 3.2m is ☐

GD VF

12b. Complete the statements.

A. $\frac{8}{7}$ of £2.10 is ☐

B. $\frac{5}{3}$ of £1.80 is ☐

GD VF

Varied Fluency
Fraction of an Amount

Developing

1a. 5, 5

2a. A. 3, B. 3

3a. 4

4a. 3

Expected

5a. 5, 5, 25, 25

6a. A. 4, B. 12

7a. 18cm

8a. 0.36kg or 360g

Greater Depth

9a. 8, 32, $\frac{5}{9}$

10a. A. 18, B. 60

11a. 22,000m

12a. A. 4,000ml or 4L, B. 360cm or 3.6m

Varied Fluency
Fraction of an Amount

Developing

1b. 4, 4

2b. A. 5, B. 5

3b. 2

4b. 7

Expected

5b. 6, 6, 18, 18

6b. A. 7, B. 28

7b. 300ml

8b. 80p or £0.80

Greater Depth

9b. 7, 28, $\frac{6}{7}$

10b. A. 45, B. 99

11b. 9.6m

12b. A. 240p or £2.40, B. 300p or £3.