

Varied Fluency

Step 15: Fraction of an Amount

Teaching Note:

We recommend that you print this resource in colour or grayscale.

National Curriculum Objectives:

Mathematics Year 6: (6F6) [Associate a fraction with division and calculate decimal fraction equivalents \[for example, 0.375\] for a simple fraction \[for example, 3/8\]](#)

Differentiation:

Developing Questions to support finding fractions of amounts using only unit fractions up to twelfths. Each question has pictorial support.

Expected Questions to support finding fractions of amounts using fractions up to twelfths.

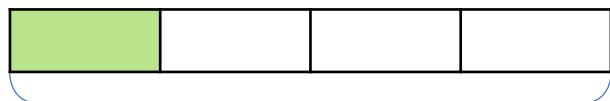
Greater Depth Questions to support finding fractions of amounts using any fraction that could be simplified.

More [Year 6 Fractions](#) resources.

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

Fraction of an Amount

1a. Find the value of the shaded part.



88



294



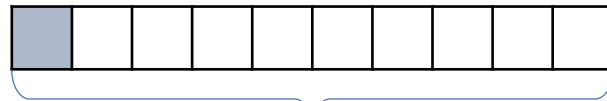
VF

Fraction of an Amount

1b. Find the value of the shaded part.



35

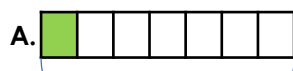


230

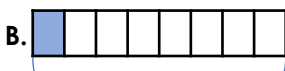


VF

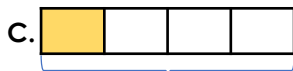
2a. Match each calculation to the correct answer.



77



128



500



63

16

125

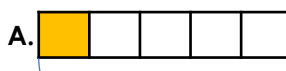
7

11

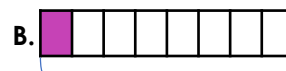


VF

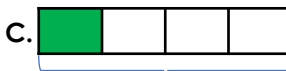
2b. Match each calculation to the correct answer.



60



296



120



288

30

12

48

37

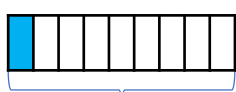


VF

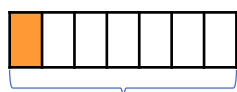
3a. Complete the statements using <, > or =.



160



270



84



39

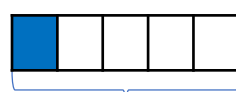


VF

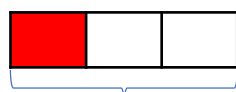
3b. Complete the statements using <, > or =.



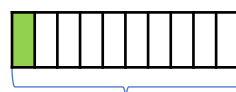
54



80



990

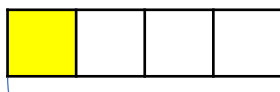


900



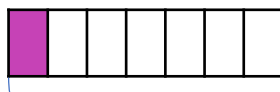
VF

4a. True or false?



24

>

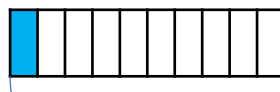


56



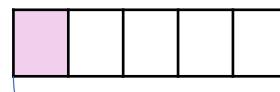
VF

4b. True or false?



300

=



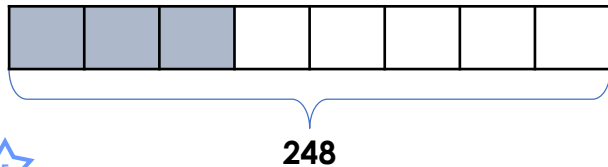
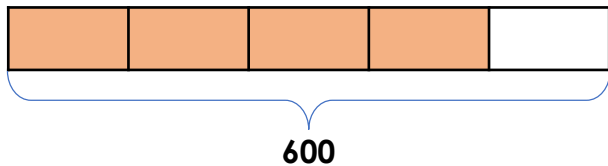
150



VF

Fraction of an Amount

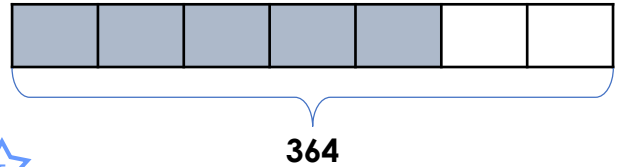
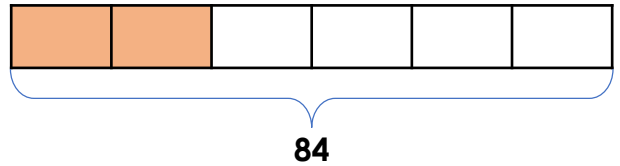
5a. Find the value of the shaded part.



VF

Fraction of an Amount

5b. Find the value of the shaded part.



VF

6a. Match each calculation to the correct answer.

A. $\frac{3}{7}$ of 56 77

B. $\frac{7}{8}$ of 88 51

C. $\frac{2}{3}$ of 243 24

D. $\frac{1}{9}$ of 459 162



VF

6b. Match each calculation to the correct answer.

A. $\frac{2}{9}$ of 639 170

B. $\frac{5}{8}$ of 72 142

C. $\frac{1}{12}$ of 276 45

D. $\frac{5}{6}$ of 204 23



VF

7a. Complete the statements using <, > or =.

$\frac{3}{5}$ of 200 ○ $\frac{5}{9}$ of 198

$\frac{7}{10}$ of 600 ○ $\frac{1}{2}$ of 840



VF

7b. Complete the statements using <, > or =.

$\frac{1}{8}$ of 776 ○ $\frac{3}{6}$ of 264

$\frac{2}{3}$ of 966 ○ $\frac{5}{6}$ of 774



VF

8a. True or false?

$\frac{4}{5}$ of 35 = $\frac{4}{7}$ of 42



VF

8b. True or false?

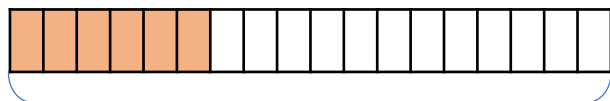
$\frac{5}{6}$ of 144 = $\frac{7}{8}$ of 184



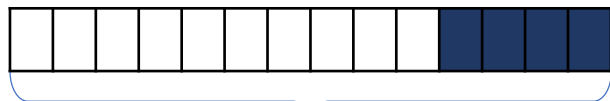
VF

Fraction of an Amount

9a. Find the value of the shaded part.



432



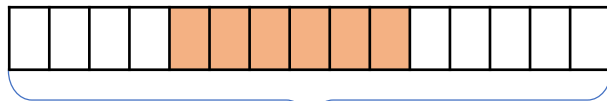
322



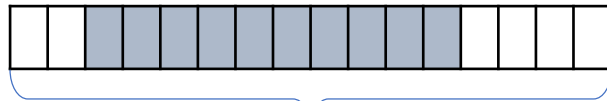
VF

Fraction of an Amount

9b. Find the value of the shaded part.



255



224



VF

10a. Match each calculation to the correct answer.

A. $\frac{8}{20}$ of 240

64

B. $\frac{4}{16}$ of 256

80

C. $\frac{5}{20}$ of 320

96

D. $\frac{12}{18}$ of 324

216



VF

10b. Match each calculation to the correct answer.

A. $\frac{5}{15}$ of 345

84

B. $\frac{6}{18}$ of 252

42

C. $\frac{3}{15}$ of 210

115

D. $\frac{8}{12}$ of 384

256



VF

11a. Complete the statements using <, > or =.

$\frac{8}{14}$ of 238 $\frac{11}{12}$ of 288

$\frac{15}{20}$ of 620 $\frac{3}{18}$ of 612



VF

11b. Complete the statements using <, > or =.

$\frac{12}{18}$ of 432 $\frac{10}{16}$ of 384

$\frac{6}{14}$ of 364 $\frac{4}{16}$ of 368



VF

12a. True or false?

$\frac{8}{20}$ of 220 = $\frac{6}{15}$ of 120



VF

12b. True or false?

$\frac{9}{18}$ of 342 > $\frac{6}{14}$ of 294



VF

Varied Fluency
Fraction of an Amount

Developing

1a. **22, 42**

2a. **A = 11, B = 16, C = 125, D = 7**

3a. **>, <**

4a. **False, $6 < 8$**

Expected

5a. **480, 93**

6a. **A = 24, B = 77, C = 162, D = 51**

7a. **>, =**

8a. **False, $28 > 24$**

Greater Depth

9a. **144, 92**

10a. **A = 96, B = 64, C = 80, D = 216**

11a. **<, >**

12a. **False, $88 > 48$**

Varied Fluency
Fraction of an Amount

Developing

1b. **7, 23**

2b. **A = 12, B = 37, C = 30, D = 48**

3b. **<, >**

4b. **True**

Expected

5b. **28, 260**

6b. **A = 142, B = 45, C = 23, D = 170**

7b. **<, <**

8b. **False, $120 < 161$**

Greater Depth

9b. **102, 140**

10b. **A = 115, B = 84, C = 42, D = 256**

11b. **>, >**

12b. **True**