Homework/Extension
Step 15: Fraction of an Amount

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:

Questions 1, 4 and 7 (Varied Fluency)
Developing Solve the calculations to find the odd one out. Using unit fractions only with pictorial support.
Expected Solve the calculations to find the odd one out. Using fractions up to twelfths only.
Greater Depth Solve the calculations to find the odd one out. Using fractions that can be simplified.

Questions 2, 5 and 8 (Varied Fluency)
Developing Solve the calculation to identify the correct statement. Using unit fractions only with pictorial support.
Expected Solve the calculation to identify the correct statement. Using fractions up to twelfths only.
Greater Depth Solve the calculation to identify the correct statement. Using fractions that can be simplified.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Solve the calculations to find the path within set parameters. Using unit fractions only with pictorial support.
Expected Solve the calculations to find the path within set parameters. Using fractions up to twelfths only.
Greater Depth Solve the calculations to find the path within set parameters. Using fractions that can be simplified.

More Year 6 Fractions resources.

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

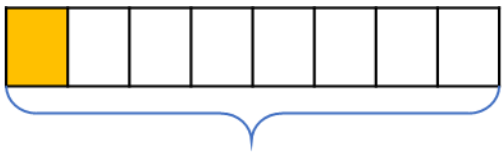
Fraction of an Amount

1. Find the odd one out.

A.

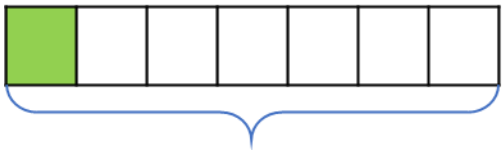
108

C.



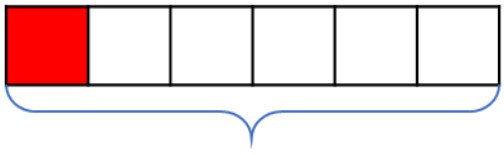
304

B.



252

D.

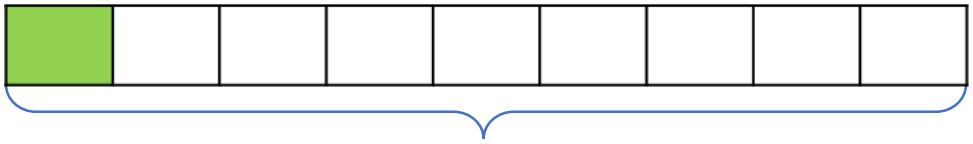


216

D

VF
HW/Ext

2. Sam and Becki are finding fractions of an amount.

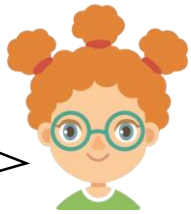


117

Sam

$\frac{1}{9}$ of 117 is 13

$\frac{1}{9}$ of 117 is 16



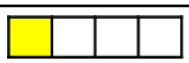
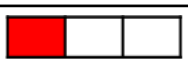
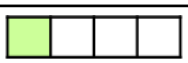
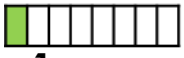
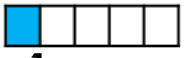
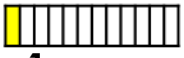
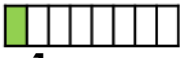
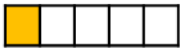
Becki

Who is correct?

D

VF
HW/Ext

3. Solve the calculations to find the path out of the maze.
The path follows answers which are even numbers.

 $\frac{1}{4}$ of 28	 $\frac{1}{3}$ of 33	 $\frac{1}{7}$ of 49	 $\frac{1}{6}$ of 114
 $\frac{1}{8}$ of 40	 $\frac{1}{5}$ of 200	 $\frac{1}{12}$ of 144	 $\frac{1}{8}$ of 240
 $\frac{1}{9}$ of 72	 $\frac{1}{11}$ of 132	 $\frac{1}{3}$ of 213	 $\frac{1}{5}$ of 255

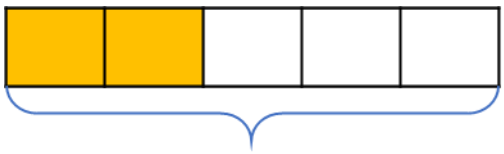
D

RPS
HW/Ext

Fraction of an Amount

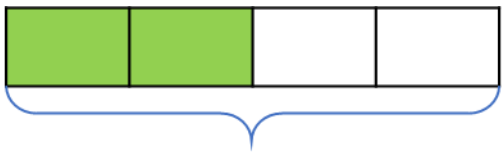
4. Find the odd one out.

A.



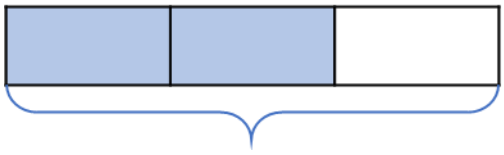
200

C.



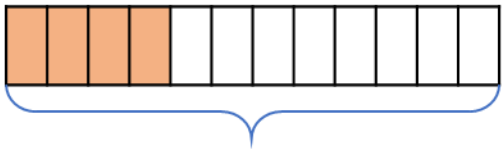
248

B.



186

D.

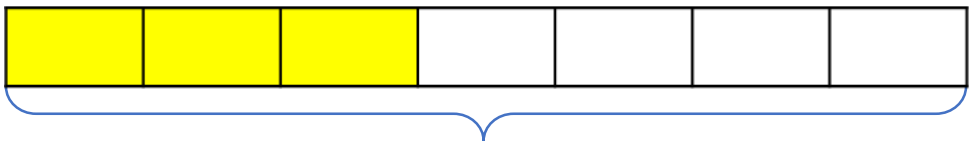


372

E

VF
HW/Ext

5. Luke and Laura are finding fractions of an amount.

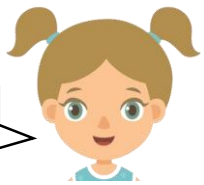


98

Luke

The answer is 24

The answer is 42



Laura

Who is correct?

E

VF
HW/Ext

6. Solve the calculations to find the path out of the maze.
The path follows answers which are double the answer that came before it.

Start

$\frac{2}{3}$ of 9

$\frac{3}{4}$ of 42	$\frac{1}{5}$ of 240	$\frac{3}{12}$ of 384	$\frac{3}{9}$ of 576
$\frac{1}{3}$ of 36	$\frac{2}{6}$ of 72	$\frac{5}{9}$ of 360	$\frac{3}{7}$ of 357
$\frac{5}{6}$ of 60	$\frac{2}{7}$ of 210	$\frac{4}{5}$ of 455	$\frac{7}{8}$ of 568

E

RPS
HW/Ext

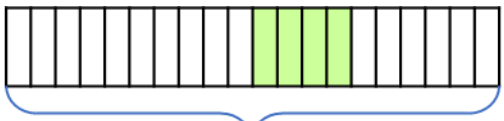
Fraction of an Amount

7. Find the odd one out.

A.

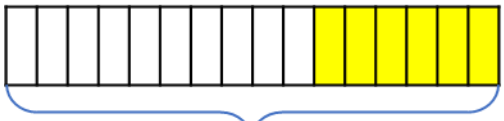
224

C.



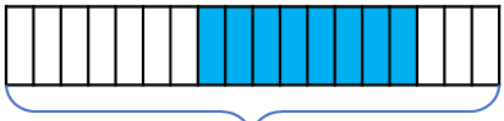
320

B.



256

D.



216

GD

VF
HW/Ext

8. Dani and Thomas are finding fractions of an amount.

$$\frac{6}{20} \text{ of } 340$$

Dani

The answer is 102

The answer is 120

Thomas

Who is correct?

GD

VF
HW/Ext

9. Solve the calculations to find the path out of the maze.
The path follows answers that are multiples of both 6 and 9.

$\frac{3}{18}$ of 432	$\frac{3}{15}$ of 450	$\frac{14}{21}$ of 462	$\frac{15}{20}$ of 420
$\frac{4}{12}$ of 312	$\frac{4}{16}$ of 144	$\frac{9}{18}$ of 252	$\frac{4}{20}$ of 540
$\frac{8}{20}$ of 260	$\frac{4}{14}$ of 238	$\frac{16}{20}$ of 330	$\frac{8}{14}$ of 336

GD

RPS
HW/Ext

Homework/Extension
Fraction of an Amount

Developing

1. C is the odd one out.
2. Sam is correct.
3.

$\frac{1}{4}$ of 28	$\frac{1}{3}$ of 33	$\frac{1}{7}$ of 49	$\frac{1}{6}$ of 114
$\frac{1}{8}$ of 40	$\frac{1}{5}$ of 200 = 40	$\frac{1}{12}$ of 144 = 12	$\frac{1}{8}$ of 240 = 30
$\frac{1}{9}$ of 72 = 8	$\frac{1}{11}$ of 132 = 12	$\frac{1}{3}$ of 213	$\frac{1}{5}$ of 255

Expected

4. A is the odd one out.
5. Laura is correct.
6. $\frac{2}{3}$ of 9 = 6

$\frac{3}{4}$ of 42	$\frac{1}{5}$ of 240 = 48	$\frac{3}{12}$ of 384 = 96	$\frac{3}{9}$ of 576 = 192
$\frac{1}{3}$ of 36 = 12	$\frac{2}{6}$ of 72 = 24	$\frac{5}{9}$ of 360	$\frac{3}{7}$ of 357
$\frac{5}{6}$ of 60	$\frac{2}{7}$ of 210	$\frac{4}{5}$ of 455	$\frac{7}{8}$ of 568

Greater Depth

7. C is the odd one out.
8. Dani is correct.
9.

$\frac{3}{18}$ of 432 = 72	$\frac{3}{15}$ of 450 = 90	$\frac{14}{21}$ of 462	$\frac{15}{20}$ of 420
$\frac{4}{12}$ of 312	$\frac{4}{16}$ of 144 = 36	$\frac{9}{18}$ of 252 = 126	$\frac{4}{20}$ of 540 = 108
$\frac{8}{20}$ of 260	$\frac{4}{14}$ of 238	$\frac{16}{20}$ of 330	$\frac{8}{14}$ of 336