Canonbury Home Learning

Year 3 Maths answers

Steppingstone activity

$\frac{3}{4}$

Numerator (number on the top)

Denominator (number on the bottom)

CANONBURY PRIMARY SCHOOL
Create, discover and succeed together

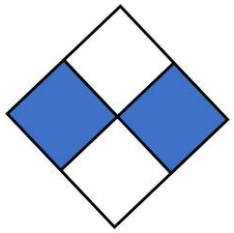
Lesson 32 LO: To use non-unit fractions

1. Count **how many equal parts** there are **altogether**. Write it as your **denominator**.
2. Count **how many parts have been shaded**. Write it as your **numerator**.

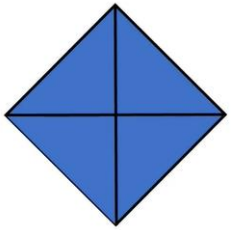
Now you try:

What fraction of this shape has been shaded?

a) $\frac{2}{4}$ **or 1 half**



b) $\frac{4}{4}$ **or 1 whole**



Now complete the questions below.

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Steppingstone activity answers

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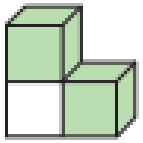
Non-unit fractions

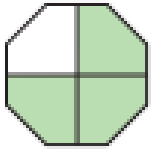
1 Complete the sentences.

a) 

There are 3 equal parts.

There are 2 parts shaded.

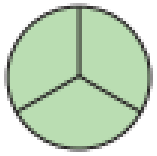
$\frac{2}{3}$ is shaded.

b) 

There are 4 equal parts.

There are 3 parts shaded.

$\frac{3}{4}$ is shaded.

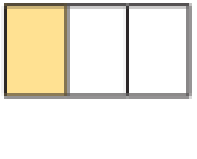
c) 

There are 3 equal parts.

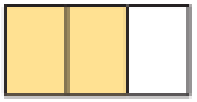
There are 3 parts shaded.

$\frac{3}{3}$ is shaded.

2 What fraction of each shape is shaded?

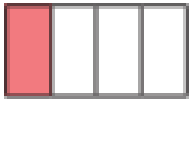
a) 

$\frac{1}{3}$

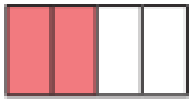


$\frac{2}{3}$

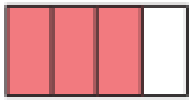
$\frac{3}{3}$

b) 

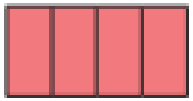
$\frac{1}{4}$



$\frac{2}{4}$

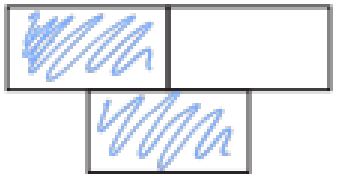


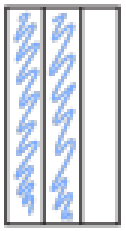
$\frac{3}{4}$



$\frac{4}{4}$

3 Colour $\frac{2}{3}$ of each shape.





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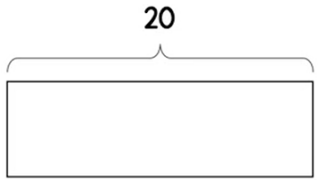
Year 3 Maths Lesson 32

LO: To find fractions of amounts

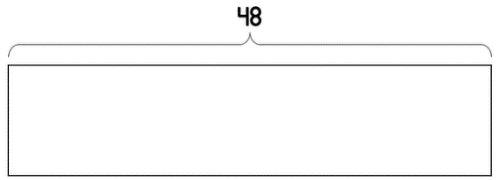
Success Criteria:

Now you try:

a) 1/5 of 20 = **4**



b) ¼ of 48 = **12**



Tip! You could use place value counters to help divide the tens first, then the ones.

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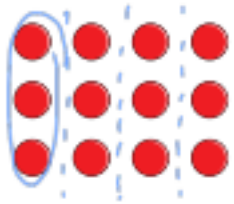
Year 3 Maths – Main activity **answers**

Fractions of a set of objects (1)

1 Here are some counters.



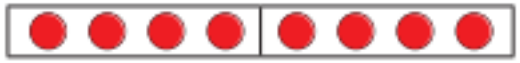
a) Circle $\frac{1}{4}$ of the counters.

b) How many counters did you circle? 3

c) What is $\frac{1}{4}$ of 12? 3

2 Draw counters in the bar models to help you complete each number sentence. The first one has been done for you.

a) $\frac{1}{2}$ of 8 = 4



b) $\frac{1}{2}$ of 16 = 8

c) $\frac{1}{4}$ of 8 = 2

d) $\frac{1}{4}$ of 16 = 4

3

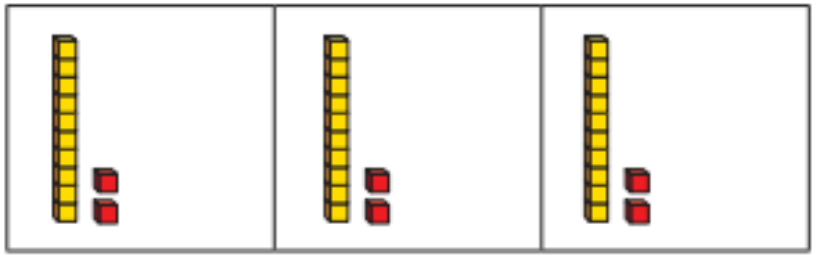
Do you agree with Dexter? yes

Talk about it with a partner.

4 Complete the table.

Fraction	Division	Example	Drawing
one half	divide by 2	$\frac{1}{2}$ of 6 = 3	
one quarter	divide by 4	$\frac{1}{4}$ of 8 = 2	
one third	divide by 3	$\frac{1}{3}$ of 15 = 5	
one fifth	divide by 5	$\frac{1}{5}$ of 15 = 3	

5 Huan uses a bar model and base 10 to find $\frac{1}{3}$ of 36



Use Huan's method to complete the calculations.

a) $\frac{1}{3}$ of 63 = 21

c) $\frac{1}{4}$ of 92 = 23

b) $\frac{1}{4}$ of 48 = 12

6 Nijah uses a bar model and place value counters to find $\frac{1}{3}$ of 36

Use Nijah's method to complete the calculations.

a) $\frac{1}{3}$ of 96 = 32

c) $\frac{1}{4}$ of 52 = 13

b) $\frac{1}{5}$ of 60 = 12

7 Which amount is greater? Tick your answer.

$\frac{1}{3}$ of £75 ✓ or $\frac{1}{5}$ of £75

$\frac{1}{3}$ of £75 = £25

$\frac{1}{5}$ of £75 = £15

Show your workings.

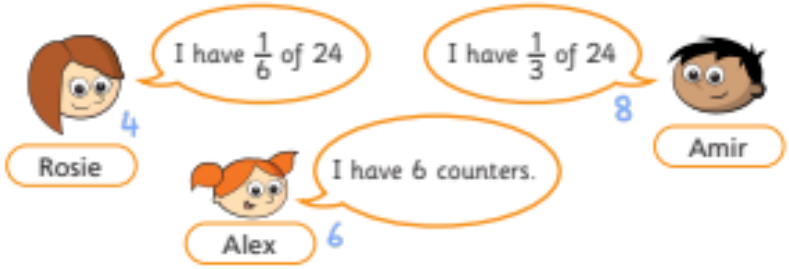
8 Complete the number sentences.

a) $\frac{1}{2}$ of 60 = 30

c) $\frac{1}{5}$ of 250 = 50

b) $\frac{1}{4}$ of 80 = 20

9 Rosie, Amir and Alex each find a fraction of 24 using counters.



a) Order the children from least counters to most counters.

Rosie, Alex, Amir

least counters — most counters

b) What fraction of the counters does Alex have? $\frac{6}{24} = \frac{1}{4}$

c) Rosie and Amir put their counters together.

Write their total number of counters as a fraction of 24

4 + 8 = 12

$\frac{12}{24}$