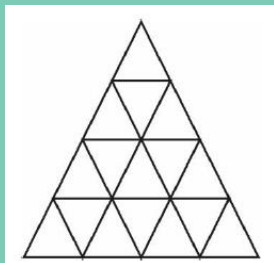







Identifying $\frac{3}{4}$ of a shape and finding $\frac{3}{4}$ in the context of shapes

WORKED EXAMPLE

If a shape is split into equally sized pieces, these can be used to calculate fractions of the whole.



The whole is 16 			
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
			
4	4	4	4
$4 + 4 + 4 = 12$			

The whole shape is split into 16 equally sized pieces.

Find $\frac{1}{4}$ by sharing into 4 equal parts.

$$\frac{1}{4} \text{ of } 16 = 4$$

$$\frac{3}{4} \text{ is } \frac{1}{4} + \frac{1}{4} + \frac{1}{4}.$$

$$4 + 4 + 4 = 12$$

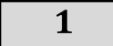
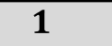






$$\frac{3}{4} \text{ of } 16 \text{ is } 12$$

REHEARSE

Show how you can use the number of equally sized pieces in the whole shape to calculate $\frac{3}{4}$.
2LS30_step2_speaking_frame may help.

The whole has _____ equally sized pieces.



8			
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
			
			

$\frac{3}{4}$ of the shape is _____ equally sized pieces.

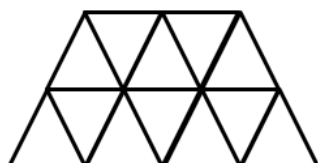
$$\frac{1}{4} \text{ of } 8 = \underline{\hspace{2cm}}$$

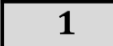
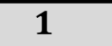






$$\frac{3}{4} \text{ of } 8 = \underline{\hspace{2cm}}$$

Colour $\frac{3}{4}$ of the shape.

REHEARSE

The whole has _____ equally sized pieces.



—			
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
			
			

$\frac{3}{4}$ of the shape is _____ equally sized pieces.

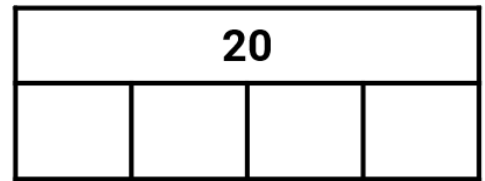
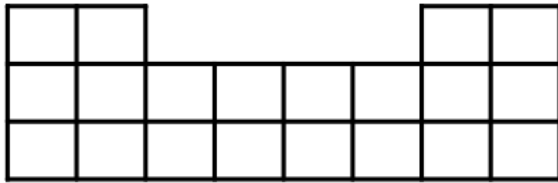
$$\frac{1}{4} \text{ of } \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\frac{3}{4} \text{ of } \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Colour $\frac{3}{4}$ of the shape.

REHEARSE

Complete the model to show how you find $\frac{3}{4}$ of the whole shape. Then colour $\frac{3}{4}$ of the shape.



RETRIEVE

Can I still tell the time?

Circle the correct time on the clock.

quarter past 2

quarter to 3

quarter past 3

quarter to 1



quarter past 8

quarter to 8

quarter past 9

quarter to 9



REHEARSE

Find and colour $\frac{3}{4}$ on the shapes in 2LS30_step3_fractions_of_amounts_in_shapes.

Show your working.

APPLY AND EXPLORE

Devon says that $\frac{3}{4}$ of his shape has 30 squares in it.

How many squares are there in the whole shape?

Prove it.

APPLY AND EXPLORE

Princess says that you can calculate $\frac{3}{4}$ of an amount by adding $\frac{1}{2}$ and $\frac{1}{4}$ of the amount.

Does this strategy work? Prove it.

Can you think of another strategy to calculate $\frac{3}{4}$ of an amount?