

Steps to success

Lockdown work	
Date	2.3.21
Subject/s	Maths
Learning Objective	To calculate quantities.

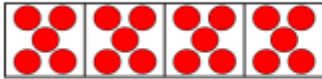


SA	TA

Success Criteria 	I can find fractions of quantities.		
	I can find fractions of quantities that involve non unit fractions.		
	I know the difference between a unit fraction and a non -unit fraction.		
	I can work out a whole amount based upon a fraction amount.		

Support	Independently	Support ( )	Group work
Pre-task:			

Use the counters and bar models to calculate the whole:

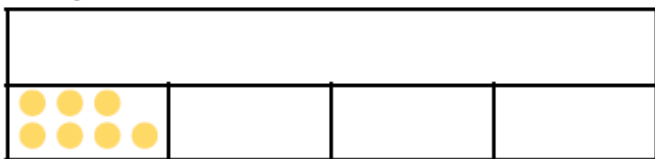


There are \_\_\_\_ counters in one part.

$\frac{1}{4} = \underline{\quad}$     
  $\frac{2}{4} = \underline{\quad}$     
  $\frac{3}{4} = \underline{\quad}$     
  $\frac{4}{4}$  or 1 whole =  $\underline{\quad}$

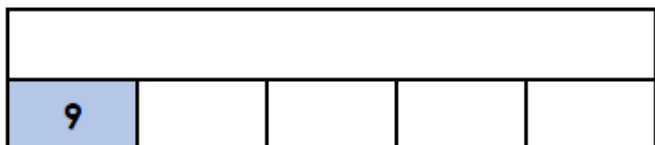
Fluency

$\frac{1}{4}$  of a number is 7.



Complete the bar model to find the whole.

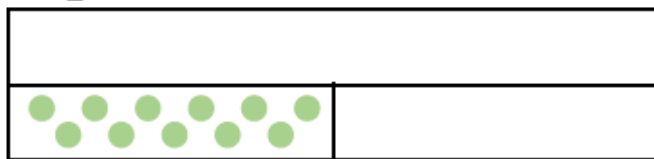
Anna knows  $\frac{1}{5}$  of a number is 9.



Use this information and the bar model above to complete the sentence below:

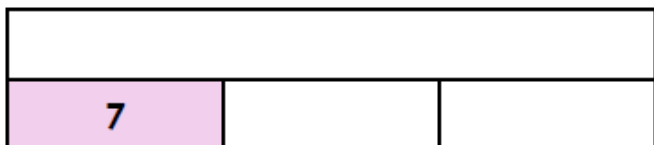
$$\frac{1}{5} \text{ of } \square = \square$$

$\frac{1}{2}$  of a number is 11.



Complete the bar model to find the whole.

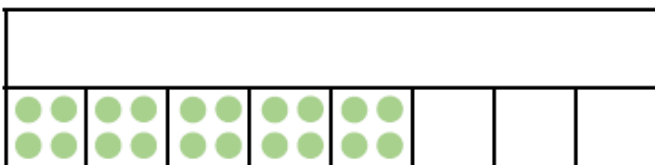
Ellan knows  $\frac{1}{3}$  of a number is 7.



Use this information and the bar model above to complete the sentence below:

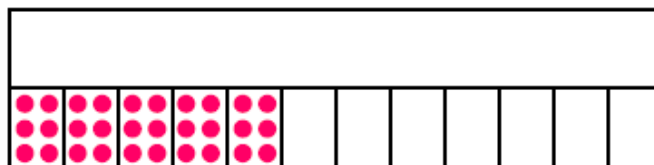
$$\frac{1}{3} \text{ of } \square = \square$$

Marco is finding fractions of an amount. He knows that  $\frac{5}{8}$  of his number is 20.



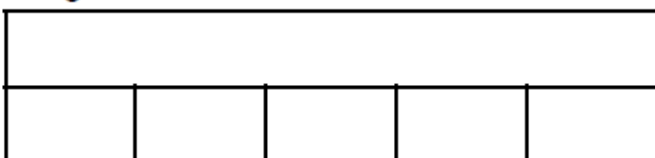
Use the bar model to find the whole.

Millie is finding fractions of an amount. She knows that  $\frac{5}{12}$  of his number is 30.



Use the bar model to find the whole.

$\frac{3}{5}$  of a number is 15.



Complete the bar model to find the whole.

$\frac{7}{15}$  of a number is 21.



Complete the bar model to find the whole.

Reasoning and problem-solving:



The school kitchen needs to buy carrots for lunch.



A large bag has 200 carrots and a medium bag has  $\frac{3}{5}$  of a large bag.

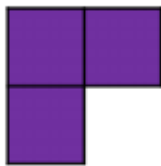
Mrs Rose says,

I need 150 carrots so I will have to buy a large bag.



Is Mrs Rose correct?  
Explain your reasoning.

These three squares are  $\frac{1}{4}$  of a whole shape.



How many different shapes can you draw that could be the complete shape?



If  $\frac{1}{8}$  of A = 12, find the value of A, B and C.

$$\frac{5}{8} \text{ of } A = \frac{3}{4} \text{ of } B = \frac{1}{6} \text{ of } C$$