Unit 17. Fractions 2

National Curriculum Requirement

Write simple fractions for example, 1/2, of 6 = 3 and recognise the equivalence of 2/4 and 1/2

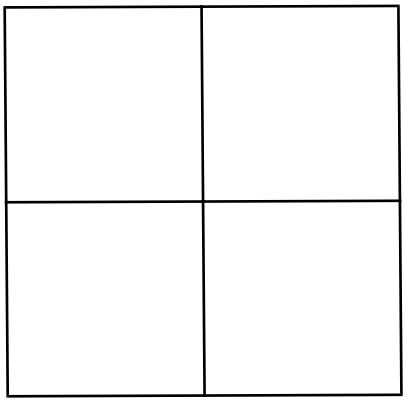
Notes

Pupils can be introduced to the idea that a half and two quarters represent the same fraction. There are many ways of showing this and in addition to the worksheet, the lengths of lines and/or the relationship between numerical quantities where one represents a half and the other two quarters - half of 8 is 4 and two quarters of 8 is also 4 - could be used.

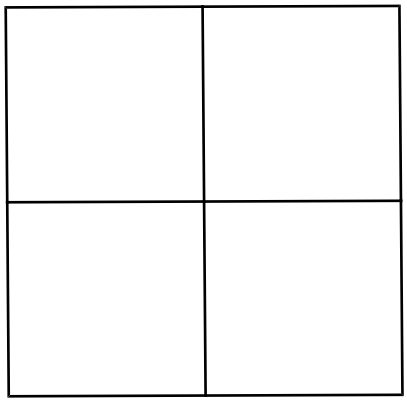
Questions on finding a **fraction of a a quantity** are commonly found in real life and will probably be on the SAT test so it's worth spending time on this idea.

Half is Equal to Two Quarters

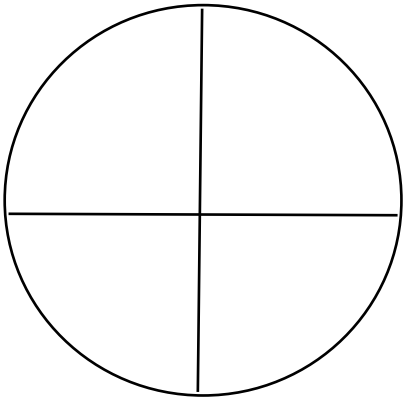
Shade in a half of the shapes on the left and two quarters of the shapes on the right and then complete the sentence on the next page.



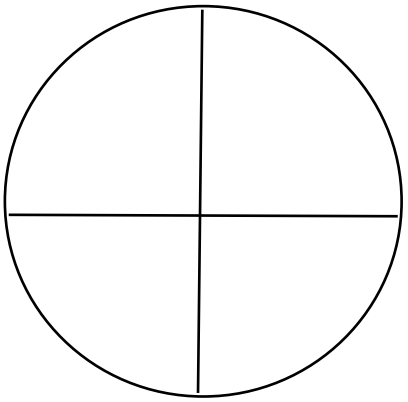
$\frac{1}{2}$



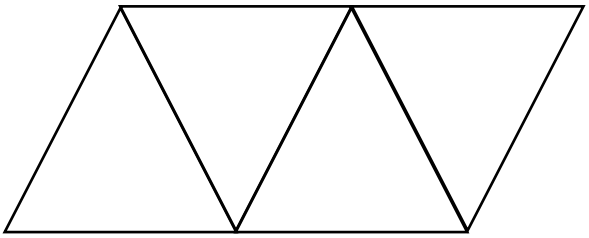
$\frac{2}{4}$



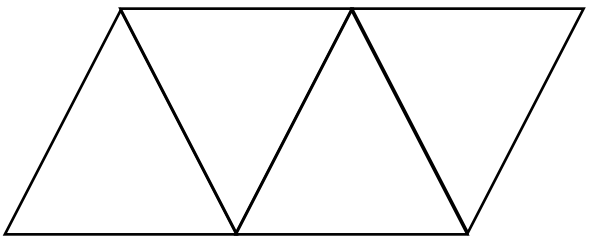
$\frac{1}{2}$



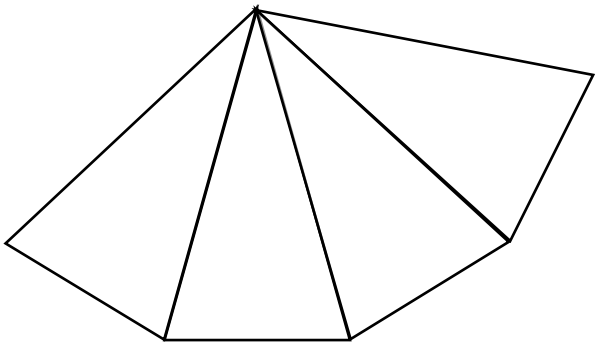
$\frac{2}{4}$



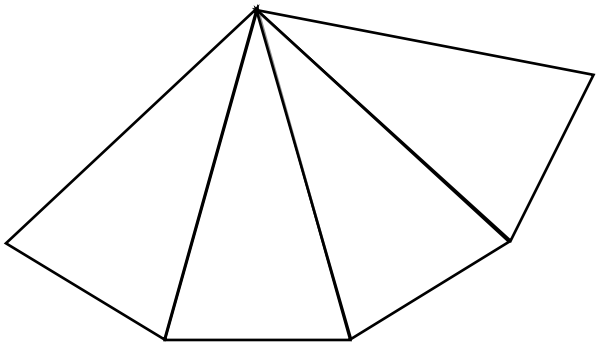
$\frac{1}{2}$



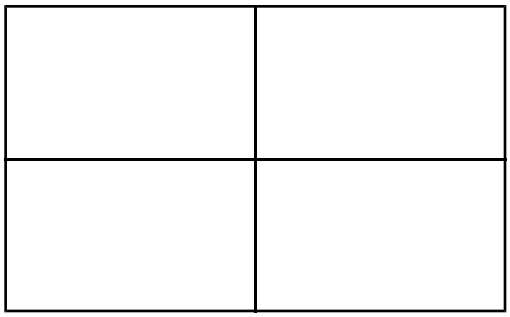
$\frac{2}{4}$



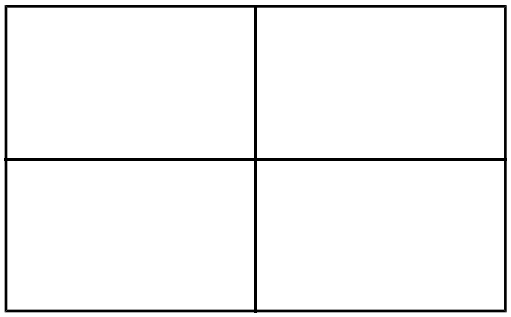
$\frac{1}{2}$



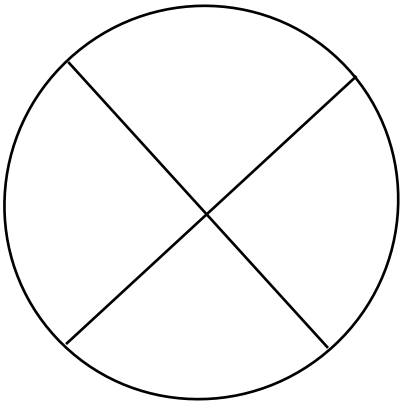
$\frac{2}{4}$



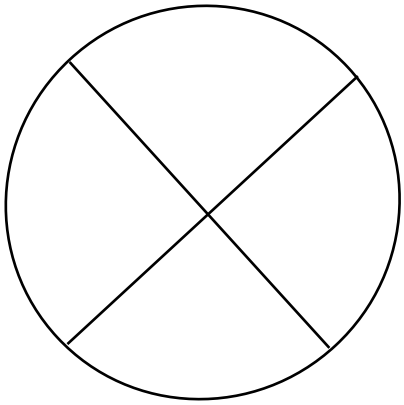
$\frac{1}{2}$



$\frac{2}{4}$



$\frac{1}{2}$



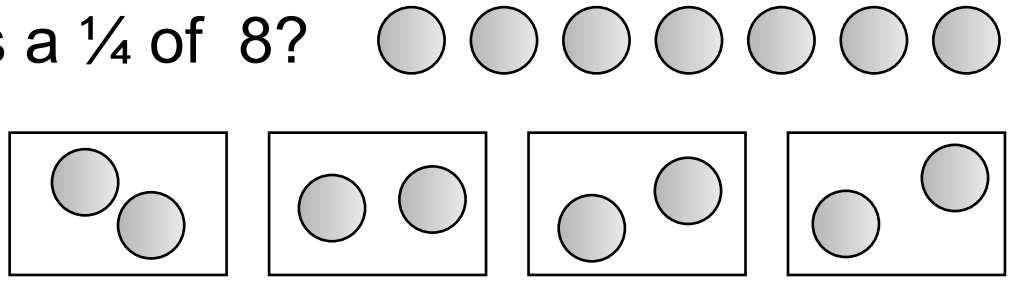
$\frac{2}{4}$

A ____ is the same as ____ quarters.

Sharing into Fractions

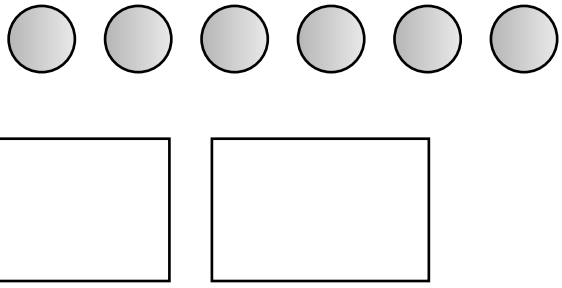
The first question shows how 8 beads could be equally shared into quarters. Try to complete the other problems in the same way.

What is a ¼ of 8?



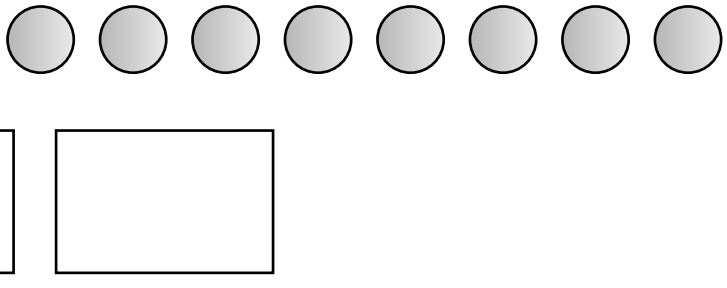
So 2 is ¼ of 8

What is ½ of 6?



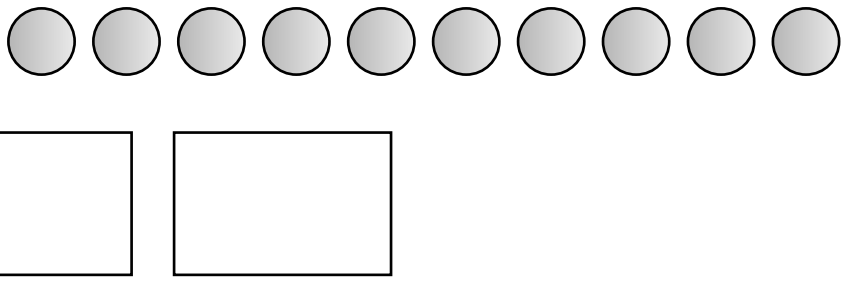
So _ is ½ of 6

What is a ½ of 8?

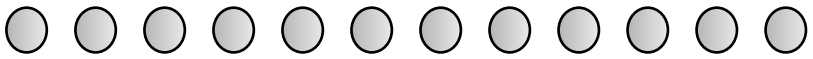


So _ is ½ of 8

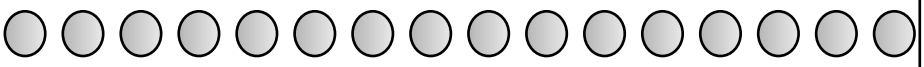
What is a ½ of 10?



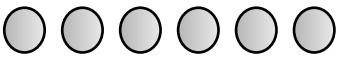
So _ is ½ of 10

What is a ¼ of 12? 

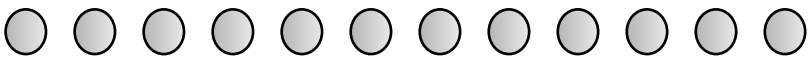
So _ is ¼ of 12

What is ½ of 16? 

So _ is ½ of 16

What is a ⅓ of 6? 

So _ is ⅓ of 6

What is a ⅓ of 12? 

So _ is ⅓ of 12

Finding a Fraction of a Number

Try to find the following fractions of numbers. You may want to use blocks or counters or times tables to help. Write your answer in the box after each question. The first one has been done for you

What is ½ of 6?	3	What is ¼ of 4?	
What is ½ of 10?		What is ¼ of 12?	
What is ½ of 16?		What is ¾ of 8?	
What is ¾ of 12?		What is ½ of 20?	
What is ¾ of 16?		What is ½ of 14?	
What is ⅓ of 6?		What is ¾ of 20?	
What is ½ of 18?		What is ⅓ of 15?	
What is ⅓ of 30?		What is ¼ of 40?	