


20/01/21- Spicy

LO: To solve problems finding fractions of amounts.

1) Ben is finding $\frac{2}{5}$ of 45. Finish these two sentences to answer Ben's questions.



I know that I divide the amount by the denominator. Then, I multiply my answer by the numerator. But why do I do this?

We divide the amount by the denominator...

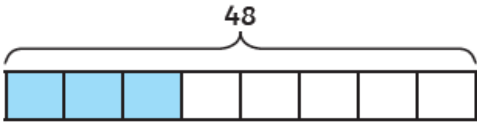
We multiply the answer by the numerator...

2) There are 121 books on the classroom shelf.

a) $\frac{5}{11}$ of the books are fiction. How many are non-fiction?

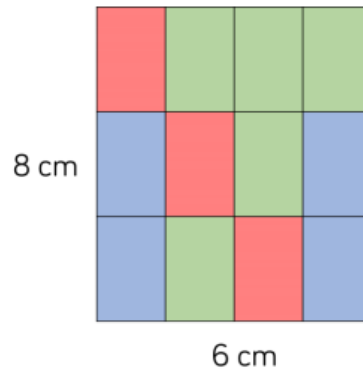
b) $\frac{7}{11}$ of the books are hardbacks. How many are paperbacks?

3) Write a word problem to match this bar model.



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Find the area of each colour in the rectangle.



True or False?

To find $\frac{3}{8}$ of a number, divide by 3 and multiply by 8



Convince me.

$\frac{7}{16}$ of a class are boys.

There are 18 girls in the class.

How many children are in the class?

1) $\frac{5}{8}$ of the glue sticks in Miss Cooper's classroom have lost their lids.

She has 12 glue sticks with lids. How many glue sticks does Miss Cooper have altogether?



2) George won £2000 in a spelling competition to spend on equipment for his class. Here are the votes for how the class of 30 children want to spend the money:

Computers	$\frac{1}{2}$
Stationery	6 children
Books	$\frac{3}{10}$

George's teacher decides to split the money to match the way the children voted. How much will she spend on each type of equipment?

3) Rearrange each set of digit cards to make fractions of amounts. How many ways can you find to rearrange each set? The fraction does not always have to be in its simplest form.

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

a) $\frac{2}{3} \quad 4 \quad 6$

b) $\frac{2}{3} \quad 6 \quad 9$

c) $\frac{1}{2} \quad 4 \quad 8$