

Fractions of quantities 1

I want to find $\frac{3}{5}$ of 10.

First I need to find $\frac{1}{5}$.

Use a bar model:



This is a whole of 10 split into 5 equal size parts, each part is $\frac{1}{5}$. Share the 10 equally between the 5 pieces.

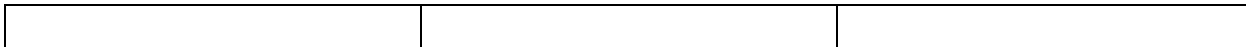
How many in each part?

_____ = $\frac{1}{5}$ of 10.

Now we can find $\frac{3}{5}$.

How many in 3 parts of the bar model? _____ = $\frac{3}{5}$ of 10

I want to find $\frac{2}{3}$ of 15. First I find $\frac{1}{3}$ of 15 using my bar model.



The whole is 15. It is split into 3 equal parts. Each part is $\frac{1}{3}$. Share 15 equally between the 3 parts.

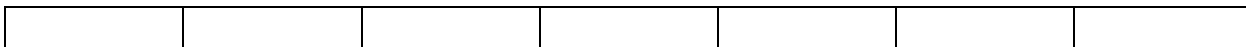
How many in each part?

_____ = $\frac{1}{3}$ of 15

Now we can find $\frac{2}{3}$.

How many in 2 parts of the bar model? _____ = $\frac{2}{3}$ of 15

I want to find $\frac{4}{7}$ of 14. First I find $\frac{1}{7}$ of 14 using my bar model. Then I work out how many in 4 parts. Can you solve the problem?



_____ = $\frac{1}{7}$ of 14

_____ = $\frac{4}{7}$ of 14