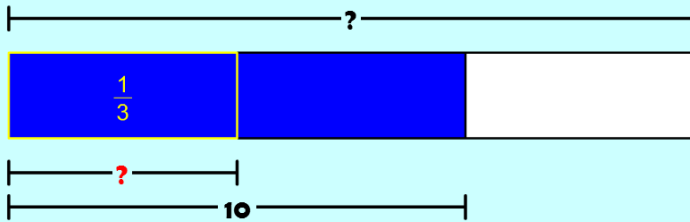


$$\frac{2}{3} \text{ of } ? = 10$$



If we know $\frac{2}{3}$ of a number is 10, then we can find the number by dividing 10 by 2 (to find $\frac{1}{3}$ of the number) and then multiplying by 3.

$$\frac{2}{3} \text{ of } ? = 10$$

$$\text{so } \frac{1}{3} \text{ of } ? = 10 \div 2 = 5$$

$$\text{so } \frac{3}{3} \text{ (or the whole number)} = 5 \times 3 = 15$$

1 $\frac{5}{6}$ of = 15

2 $\frac{2}{3}$ of = 8

3 $\frac{3}{4}$ of = 30

4 $\frac{8}{10}$ of = 16

5 $\frac{5}{8}$ of = 25

6 $\frac{2}{3}$ of = 120

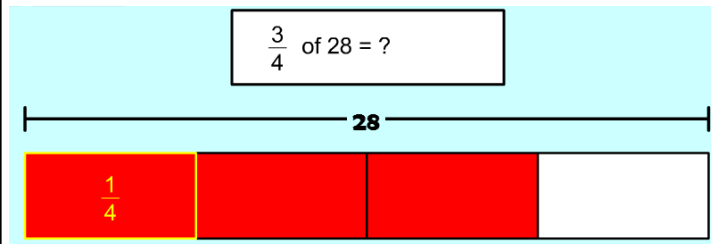
7 $\frac{5}{6}$ of = 45

8 $\frac{9}{11}$ of = 27

9 $\frac{3}{5}$ of = 240

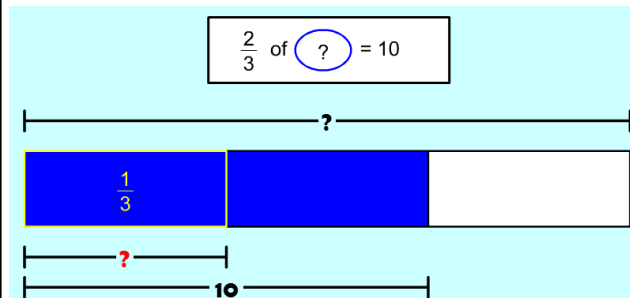
10 $\frac{5}{6}$ of = 1000

Useful interactive games to teach finding fractions of numbers.



http://mathsframe.co.uk/en/resources/resource/144/fractions_of_numbers

Uses a bar to guide you through finding unit fractions and then multi-part fractions of numbers.



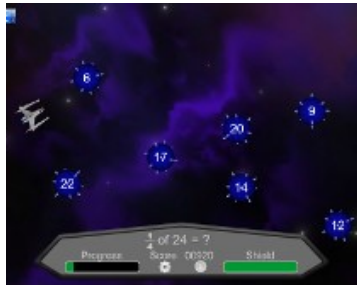
http://mathsframe.co.uk/en/resources/resource/145/fractions_of_unknown_numbers

Uses a bar to give a visual representation of the steps needed to find a number when given a fraction of that number.



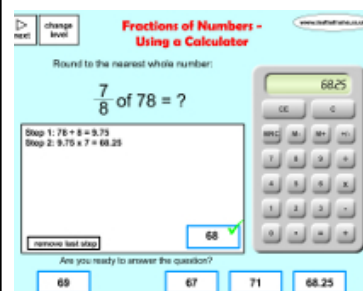
http://mathsframe.co.uk/en/resources/resource/264/Crystal_crash_fractions_numbers

Find a fraction of a number and then throw your pickaxe at the correct answer. Lots of choice of level.



http://mathsframe.co.uk/en/resources/resource/285/Fractions_of_Numbers_Mine_Mayhem

Find a fraction of a number and then shoot the mine with the correct answer. Lots of choice of level.



http://mathsframe.co.uk/en/resources/resource/204/fractions_of_numbers_calculator

Use a calculator to find a fraction of a number.

There are many more games that help develop an understanding of fractions, decimals and percentages here:

http://mathsframe.co.uk/en/resources/category/18/fractions_decimals_and_percentages

Answers:

- 1) 18 2) 12 3) 40 4) 20 5) 40 6) 180 7) 54 8) 33 9) 400
10) 1200