

LF: Non unit fractions of amounts

TIP: Divide by the bottom and times by the top!

Try it

1) $3/4$ of 16 = 12

$16 \div 4 = 4$ $4 \times 3 = 12$

2) $5/6$ of 18 = 15

$18 \div 6 = 3$ $3 \times 5 = 15$

3) $7/10$ of 80 = 56

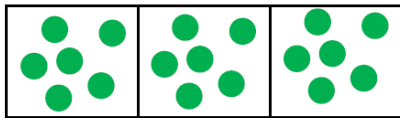
$80 \div 10 = 8$ $8 \times 7 = 56$

4) $4/7$ of 49 = 28

$49 \div 7 = 7$ $7 \times 4 = 28$

Use it

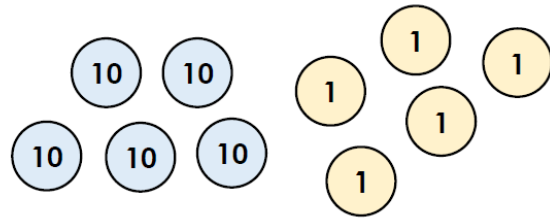
Circle the number that is $\frac{2}{3}$ of the whole number represented below.



- 1) 12 10 18

$15 \div 3 = 5$ $5 \times 2 = 10$

Find two fifths of the following amount.



2. $55 \div 5 = 11$ $11 \times 2 = 22$

3. Fill in the missing gaps:

a) $2/5$ of 35 = 14

b) $3/8$ of 40 = 15

c) $2/6$ of 12 = 4

4. A spell is cast 32 times in the Harry Potter books. Hermione casts $3/8$ of them. How many times does she cast it?

$32 \div 8 = 4$ $4 \times 3 = 12$. Hermione casts the spell 12 times.

5. Jack has a bottle of lemonade. He has two fifths left in the bottle. There are 200ml left.

a) How much lemonade was in the bottle when it was full? 500ml

b) How much lemonade has he drunk? 300ml

Prove it

1.

True or False?

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



Convince me.

False. You would divide by 8 and multiply by 3. We know you divide by the bottom and times by the top.

2.



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.

$$\frac{3}{5} \text{ of } 200 = 120$$

$$200 \div 5 = 40 \quad 40 \times 3 = 120$$

Yes Mrs Rose will need to buy a large bag.