

19.01.2021

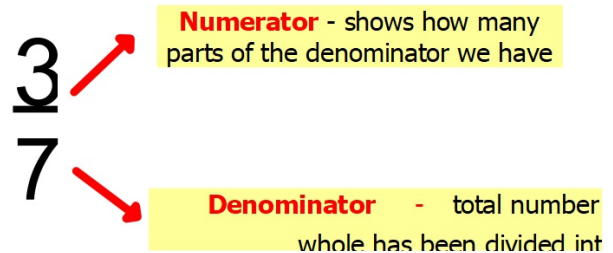
LI: To find fractions of amounts.

SC:

- I can find fractions of larger amounts.
- I can divide the denominator and multiply by the numerator to solve.
- I can use a bar model to solve the problem.
- I know that a fraction with the same numerator and denominator is equal to one whole.

Key vocabulary:

- numerator
- denominator
- unit fraction (numerator is 1)
- parts
- bar model



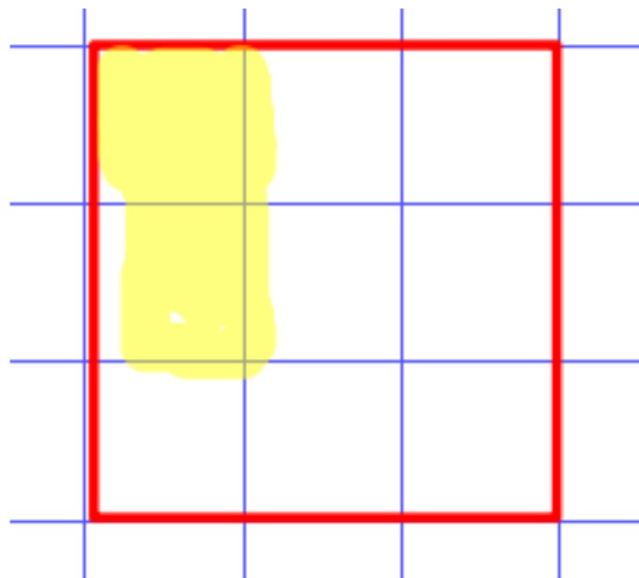
**Starter:**

**What fraction has been shaded?**

**Answer**

**What fraction hasn't been shaded?**

**Answer**



Model:

There are 20 sweets in a bag. Ben eats  $\frac{3}{5}$  of them.

How many sweets does he eat? 12

We can use a bar model to help us solve this problem.

Step 1: Divide the whole number by the denominator

Step 2: Multiply step 1 answer by the numerator



$$20 \div 5 = 4$$

$$4 \times 3 = 12$$

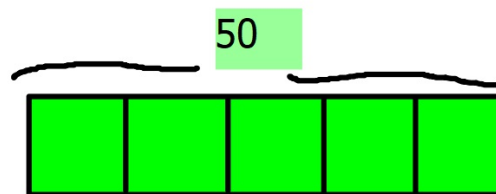
Model:

What would  $\frac{2}{5}$  of 50?

We can use a bar model to help us solve this problem.

Step 1: Divide the whole number by the denominator

Step 2: Multiply step 1 answer by the numerator



$$50 \div 5 = 10$$

$$10 \times 2 = 20$$

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Step 1: Divide the whole number by the denominator

Step 2: Multiply step 1 answer by the numerator

Check it:

Use the bars to work out the following:

1.  $\frac{3}{5}$  of 10 =



2.  $\frac{5}{6}$  of 12 =

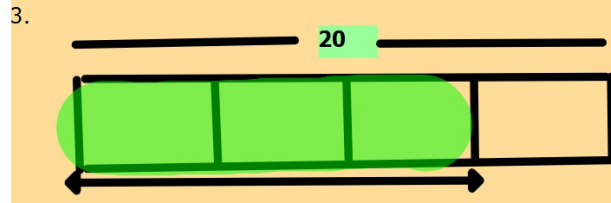
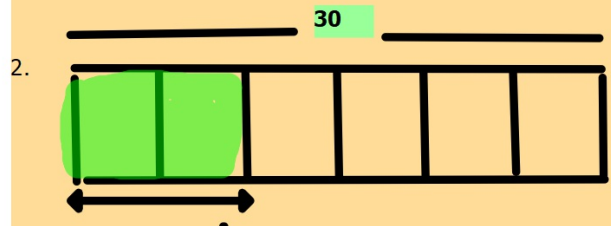
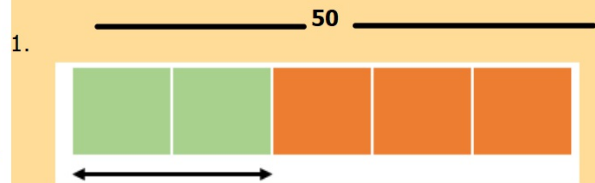


3.  $\frac{2}{3}$  of 9 =



Think It:

How much is shaded in green for each bar?



Master it:

1. Toni has £330. She gives  $\frac{4}{10}$  of the money to her favourite charity. How much money does she have remaining?

## Plenary

### Self assessment



#### SC:

- I can find fractions of larger amounts.
- I can divide the denominator and multiply by the numerator to solve.
- I can use a bar model to solve the problem.
- I know that a fraction with the same numerator and denominator is equal to one whole.

#### Check it:

Use the bars to work out the following:

1.  $\frac{3}{5}$  of 10 = 6



2.  $\frac{5}{6}$  of 12 = 10

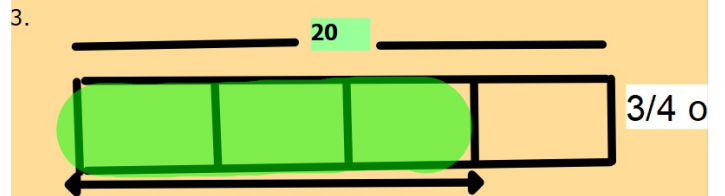
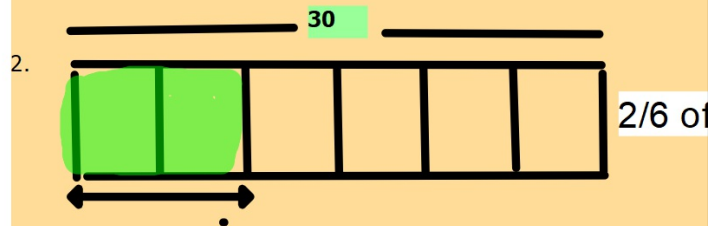
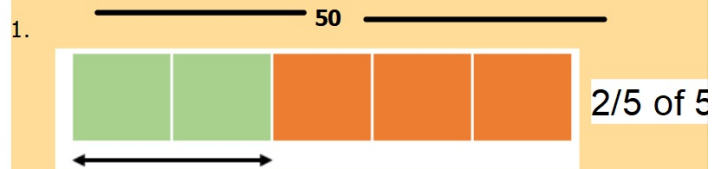


3.  $\frac{2}{3}$  of 9 = 6



#### Think It:

How much is shaded in green for each bar?



#### Master it:

1. Toni has £330. She gives  $\frac{4}{10}$  of the money to her favourite charity. How much money does she have remaining?
- $\frac{£330}{10} = £33$   
 $£33 \times 4 = £132$   
 $£330 - £132 = £198$