



# **HELLO!**

Today we are going to revise fractions, decimals and percentages

# Arithmetic Warm Up

1. 
$$\frac{3}{4} - \frac{1}{3} =$$



# Revision on changing fractions to decimals and percentages



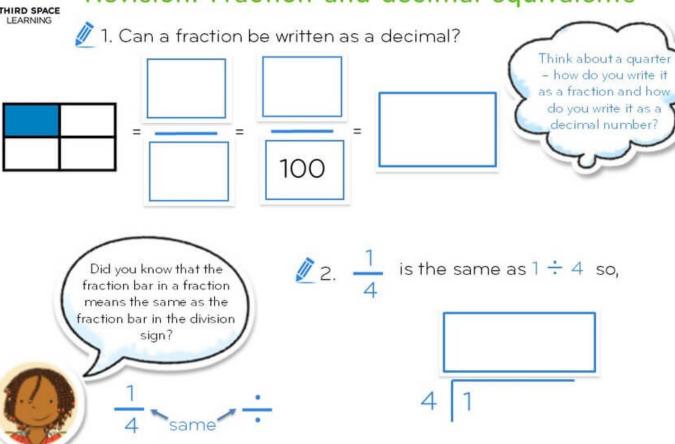
# Today we are going to revise how to:



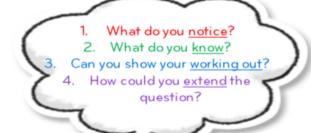
- represent fractions, decimals and percentage equivalents
- find percentages of an amount



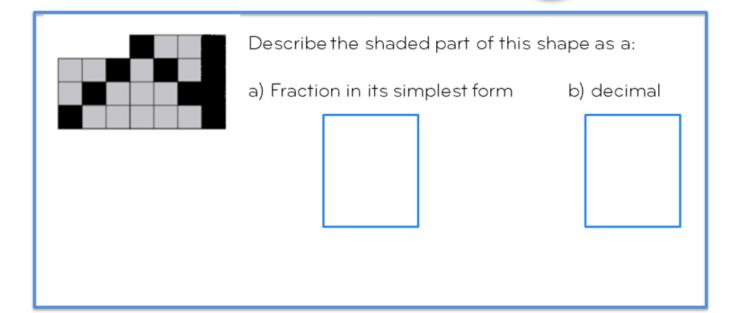
# Revision: Fraction and decimal equivalents









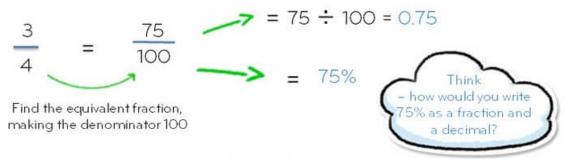




# Revision: Fractions, decimals and percentages

Percentage (%) simply means 'out of 100'

So when a fraction has 100 as the denominator, it can easily be written as a decimal or a percentage.



111

1. Write 64% as a fraction and a decimal.



- 1. What do you notice?
- 2. What do you know?
- Can you show your working out?
- 4. How could you <u>extend</u> the question?

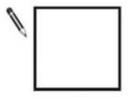
Write these in order of size, starting with the smallest.

 $\frac{3}{4}$ 

0.34

0.7

43%



smallest







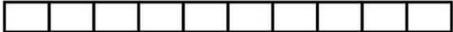


## Revision: Finding percentages

Find 30% of 48 also written as 30% x 48

1) This whole bar could represent 48 (this is the 100% of the amount)

2) How many equal parts has this bar been divided into? So what percent does each part represent?



4) So how many parts would give you 30%? What is 30% of 48? Check your answer – does it seem reasonable?

3) What number would go into each part if the whole bar is 48?

1. What would 35% of 48 be?







Use the space provided to complete the following question

What do you notice?

2. What do you know?

Can you show your working out?

4. How could you extend the question?

200 children went on holiday.

10% of the children went to Wales.

25% of the children went to Scotland.

How many more children went to Scotland than went to Wales?



#### Let's review:



- find decimal equivalents of fractions
- represent fractions, decimals and percentage equivalents
- find percentages of an amount

Draw a circle around the smiley face to show how you feel about what we've just been doing.









#### **CHALLENGE**

- 1. What do you notice?
- 2. What do you know?
- 3. Can you show your working out?
  - 4. How could you <u>extend</u> the question?



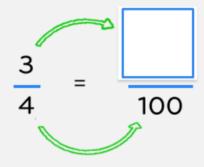
What percentage of 20 is 19?

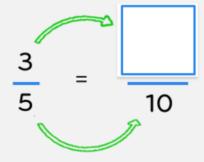




## Simple fractions to decimals

Convert these fractions to equivalent fractions and then write as a decimal.







# Fractions to decimals by division

1

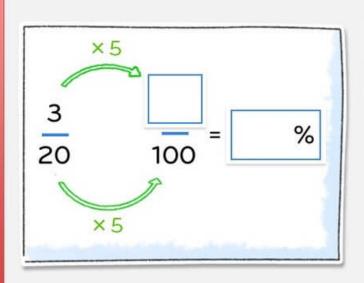
2

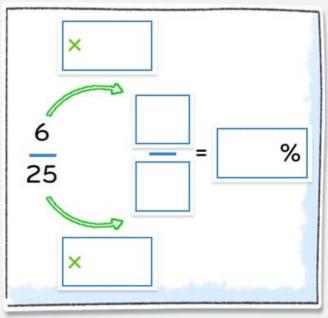
$$\frac{1}{3} = \boxed{\phantom{0}} \div \boxed{\phantom{0}}$$



# Fractions to percentages

- 1. Write  $\frac{3}{20}$  as a percentage, 2. Write  $\frac{6}{25}$  as a percentage.







# Percentages of quantities



# Percentages of quantities





Emily makes 250 grams of a snack mixture.

15% of the weight is raisins, 25% is banana chips and the rest is peanuts.

How many grams of **peanuts** does she use?

- 1. What do you notice?
- 2. What do you know?
- Can you show your working out?
- 4. How could you <u>extend</u> the question?