



Functional Skills and GCSE Foundation

Edexcel

Unit 1: Number

Lesson 13 - Percentage of an amount

FS1

FS2

GCSE

iGCSE


Bring these to join in:

A small glass, a big jug of water,
a bowl and probably a towel.

A calculator

Start thinking:

To charge or not to charge?



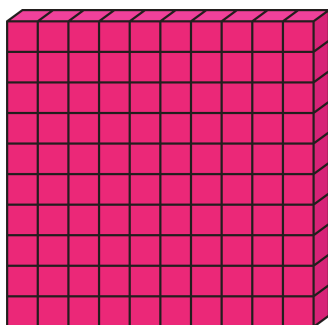
You have 45% battery and want to watch a film

You have 8% battery and watch to watch a YouTube short

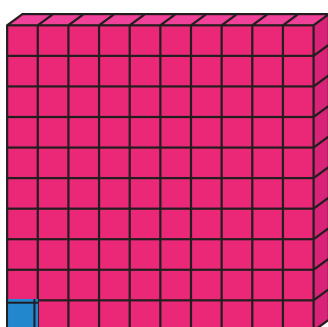
You have 80% battery and want to play a few hours of minecraft



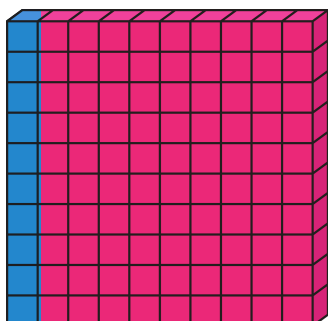
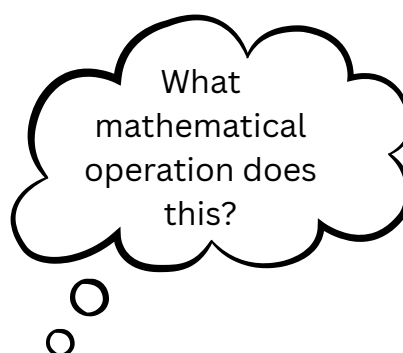
What do percentages look like?



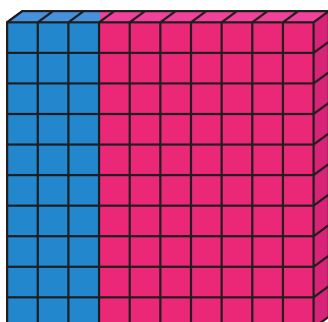
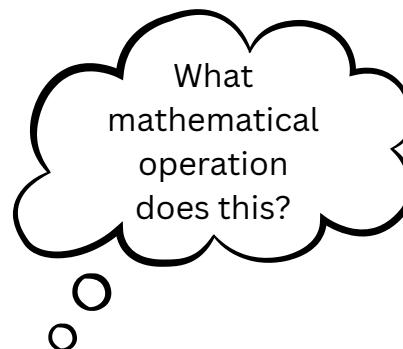
Percentage is
out of 100



1% is
1 out of 100

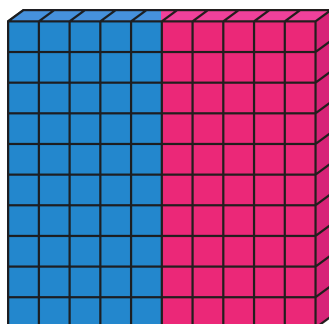


10% is
10 out of 100

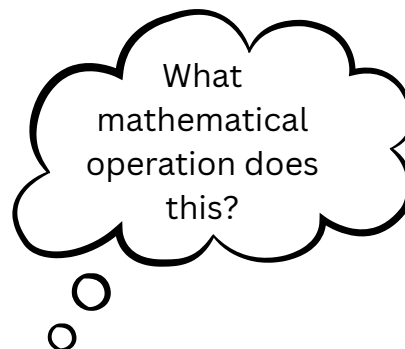


30%

What do percentages look like?



50% is
50 out of 100



Match them up

£360

100%

£36

10%

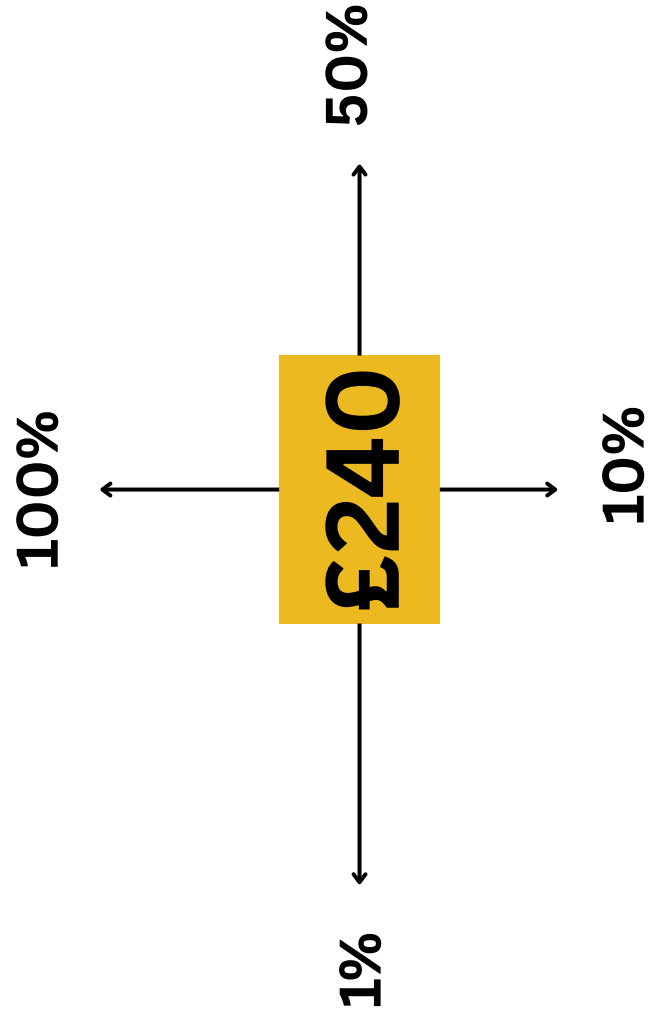
£360

50%

£3.60

1%

£180



Calculator hacks



The % button

For 52% of £67 type:

$$52\% \times 67$$



Finding 1%

For 52% of £67 :

Find 1%

$$67 \div 1000$$

Find 52%

$$\times 52$$



Find 42% of £14.72

Would you rather



Blue

10% of £40

Red

90% of £4

Blue

5% of £560

Red

20% of £150

Blue

2% of £4300

Red

85% of £105



At home:

Corbett Maths Percentage of an amount calc:

<https://corbettmaths.com/wp-content/uploads/2018/11/Percentages-of-amounts-234-pdf.pdf>

Answers: <https://corbettmaths.com/wp-content/uploads/2021/03/Percentage-of-an-amount-non-calc.pdf>

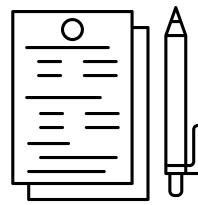
Transum percentage of an amount practice:

https://www.transum.org/software/SW/Starter_of_the_day/Students/Percentages.asp?Level=1

Corbett Maths Calculator Percentage of an amount

<https://corbettmaths.com/wp-content/uploads/2018/11/Percentages-of-amounts-234-pdf.pdf>

Answers: <https://corbettmaths.com/wp-content/uploads/2019/08/Percentage-of-amount-calc.pdf>



Exam questions

At home:

FS 1 and 2 and GCSE:

Corbett maths videos:

Calculator: <https://corbettmaths.com/2013/02/15/percentages-of-an-amount-calculator/>

Non calculator:

<https://corbettmaths.com/2012/08/20/percentages-of-amounts-non-calculator/>

Maths DIY practice questions: - *This goes onto increase a decrease by a percentage. We will do this later on in the course. you don't need this for FS1.*

<https://www.mathsdiy.com/wp-content/uploads/2020/03/percentages-of-quantities-v1.pdf>

Maths DIY practice answers:

<https://www.mathsdiy.com/wp-content/uploads/2020/03/Percentages-of-Quantities-SOLUTIONS.pdf>