

Mathematics

Conversion rates

Lesson 2 of 8

Downloadable resource

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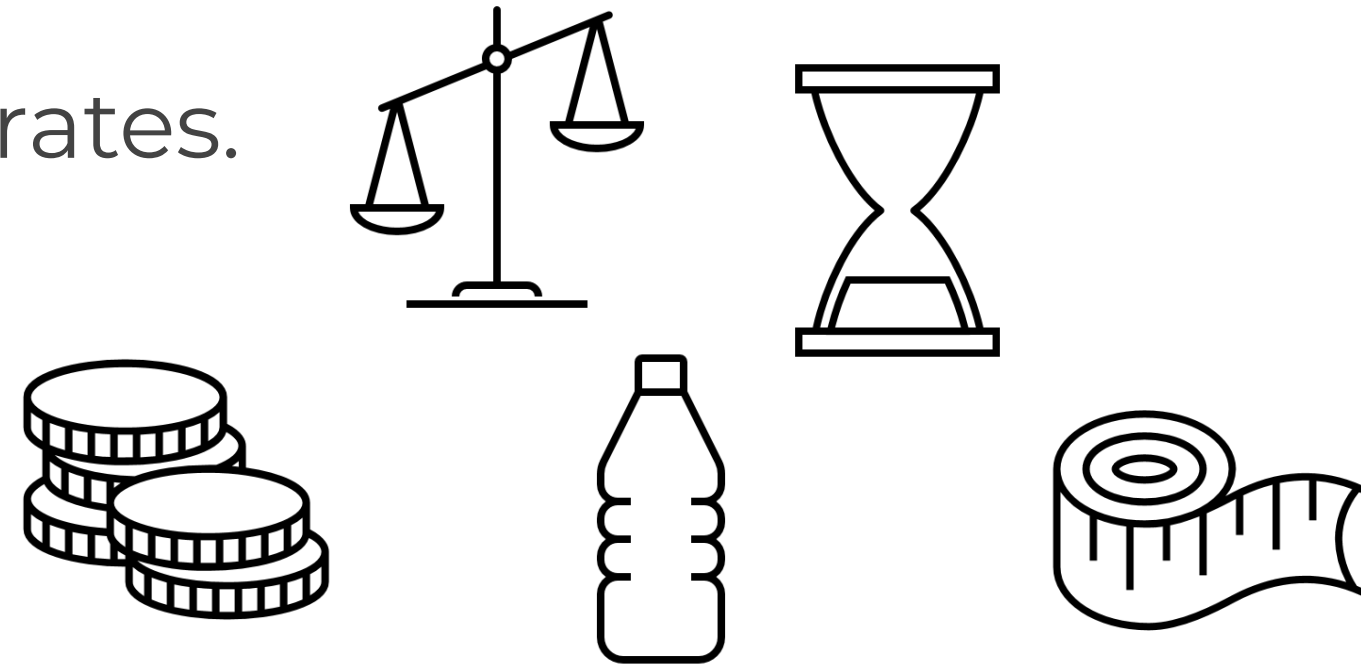


Try this

Look the descriptions of different rates.

What's the same or different?

How would you group them?



The number of
pounds per minute

The number of
centimetres per
inch

The number of
kilometres per mile

The number of
centimetres per
metre

The number of
dollars per euro

The number of
people per train

The number of
litres per gallon

The number of
miles per hour



Connect

86400 seconds = 1 day

5 miles = 8 km



Connect

Bank A

For every £10
exchanged, you
receive \$13.

Bank B

Currency	We sell
USD	1.274

Bank C

£100 = \$128



Independent task

1. Convert the following: :
 - a. 15 miles to km
 - b. 48 km to miles
 - c. 12 km to miles
2. Cala is going on a journey. The journey is 30 miles.

Antoni says: 'this is approximately 50 km'.

Do you agree with Antoni? Explain your reasoning.



Independent task

3. Philippa went on holiday to Sweden.

The exchange rate is £1 to 1.2 euros (€).

She exchanges £550 into euros.

a. How many euros should she receive?

Philippa returned home with 78 euros left.

The new exchange rate was £1 to 1.25 euros.

b. How many pounds did she get back?



Explore

Antoni and Cala are doing a sponsored run.

Who is going to raise more money if they run the same distance?



In the end, they ran different distances, but raised the same amount of money.

How much could they have raised?

How far could they have each run?

