

3.3.21

Arithmetic

1. 21×18

4. $7,801 \div 3$

2. $879 + 549$

5. $\frac{5}{6} \times 8$

3. $4^2 - 3^2$

6. $3,870 - 1,974$

FB4

Flashback 4

Year 6 | Week 7 | Day 5

1) 5 miles is about 8 km
About how many miles is 40 km?



2) $n = 12$. Work out $5n - 2$

3) Write 80% as fraction in its simplest form.

4) Which of these numbers are prime?
2 5 7 9 26

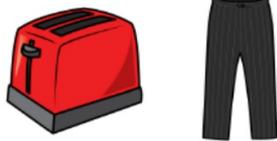
Problems of the Day

Problems of the Day 2019

Day
3

1 Helen has £400

She spends $\frac{1}{10}$ of the money on a new toaster.



She spends $\frac{1}{8}$ of the amount left on a pair of trousers.

Which item costs the most?

2 $\frac{3}{8}$ of people watching a play are adults.

The rest of the people watching are children.

There are 32 more children than adults watching the play.

How many people are watching the play in total?



3.3.21

Imperial measures

Vocabulary

- units
- converting
- equivalent
- foot
- pound
- stone
- inch
- ounce
- gallon
- pint

3.3.21 Imperial measures

Today we are learning to calculate between different imperial measurements and also between imperial and metric.

I will be successful if:

- I recognise how many of one unit is equivalent to another unit of measure.
- I can estimate the given unit.
- I recognise whether I need to multiply or divide.

Metric measures



Before we look at Imperial measures, let's remind ourselves about Metric measures:

Length

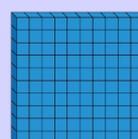
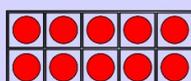
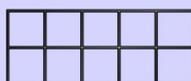
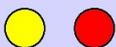
centimetres
millimetres
kilometres
metres

Mass

grams
kilograms
tonnes

Capacity

litres
millilitres



Imperial measures

Imperial measures are just a different set of units of measurement. They are an older system, but are still used by people to describe different properties.

People will still often say their height in feet and inches and will say their weight in stones and pounds.



Imperial measures

Here are some imperial units

Length

foot
inch

Mass

ounce
pound
stone

Capacity

pint
gallon



Imperial measures

Here are some imperial units conversions

Length

$$1 \text{ foot} = 12 \text{ inches}$$

$$1 \text{ inch} \approx 2.5 \text{ cm}$$

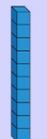
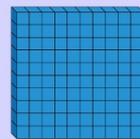
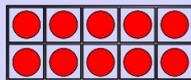
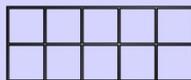
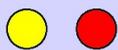
Mass

$$16 \text{ ounces} = 1 \text{ pound}$$

$$14 \text{ pounds} = 1 \text{ stone}$$

Capacity

$$8 \text{ pints} = 1 \text{ gallon}$$



+ - ÷ ×

> < =

Metric measures

Here are some metric conversions
which may help

$$1,000 \text{ g} = 1 \text{ kg}$$

$$10 \text{ mm} = 1 \text{ cm}$$

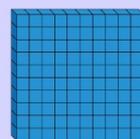
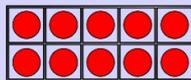
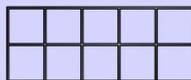
$$1,000 \text{ ml} = 1 \text{ l}$$

$$1,000 \text{ kg} = 1 \text{ tonne}$$

$$100 \text{ cm} = 1 \text{ m}$$

$$1,000 \text{ m} = 1 \text{ km}$$

Think about why metric conversions is easier
than imperial conversions.



+ - ÷ ×

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Imperial measures

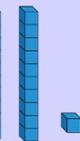
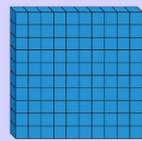
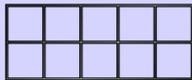
1 foot = 12 inches

2 feet = 24 inches

3 feet = ? inches

We have 12 inches for every foot, so $3 \times 12 = 36$

3 feet = 36 inches



+ - ÷ ×

> < =

Imperial measures

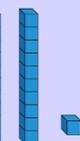
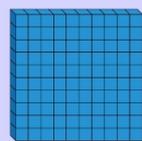
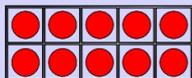
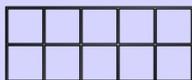
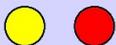
1 foot = 12 inches

? feet = 60 inches

We have to find out how many lots of 12 are in 60.

$$60 \div 12 = 5$$

5 feet = 60 inches



+ - ÷ ×

> < =

3.3.21

Plenary

True or False ?

Imperial measures

To find your shoe size use the formula;

$$3l - 23$$

l = length from toe to heel in inches.

My foot measures 9 inches so
my shoe size is 4

