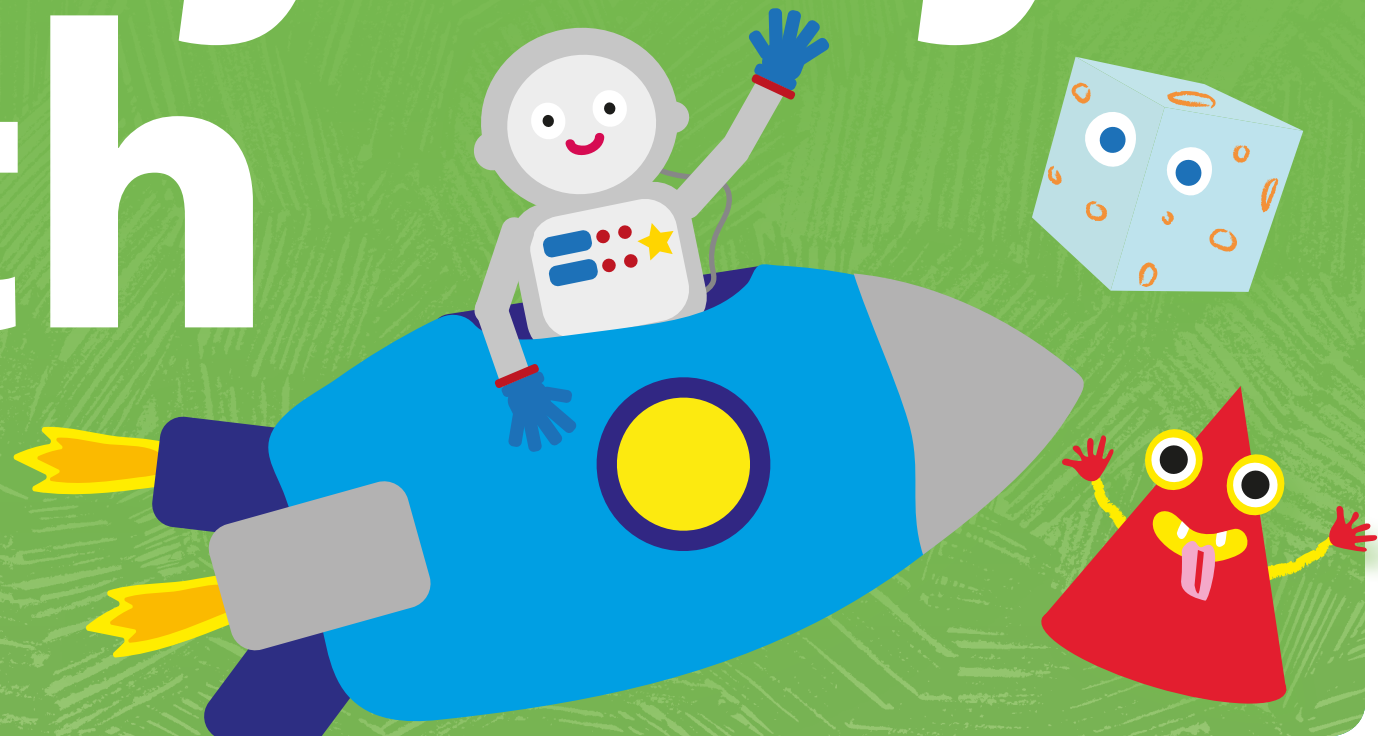


Maths Home Learning Pack:

Everyday Math



Make shape aliens

Learn to recognize and name 3D shapes with this paper craft.

Make a **3D shape alien** for the planet Mathzonian. Will your alien be **long**, **round**, or **pointy**?

You will need:

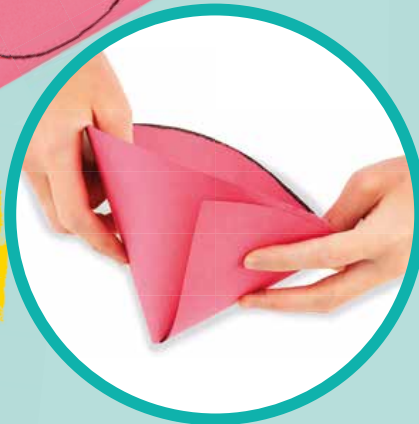


1 To make a **cone alien**, copy this shape onto your paper or card. Carefully cut it out.



Adult ALERT!

2 Fold and glue the net together to make a **cone**.



3 Decorate with paper shapes to make your alien's face and arms.

Draw me a funny face!



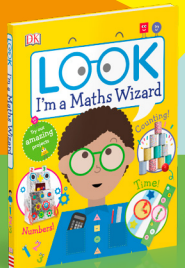
Try making different 3D shapes so your alien has friends.



Make alien friends!

Magic maths

- Can you feel and count the shapes' sides or points?
- What describing words can you think of to talk about shapes?
- Go on a shape hunt. What 3D shapes can you see around you?



Taking time

Time isn't just useful for knowing when to do things – it also helps us know how long activities will take! Once we know this, we can plan what to do in a day, week, or year.

Remember – an hour passes when the small hand moves the distance of an hour between any two points on the clock.



1 Jump in the air

2 Play a game of football

3 Brush a cat

4 Go on holiday

Long and short

Activities can take ages, or barely any time at all! Can you match these activities with the amount of time they might take?

90 minutes

Ten minutes

One week

One second

A

B

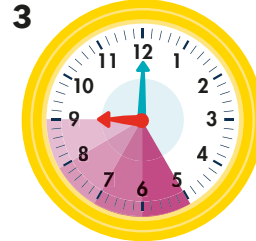
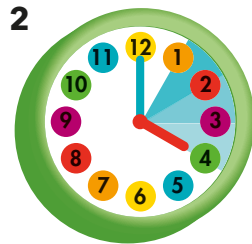
C

D

Timing things

You can measure the time that passes using different devices.

Aisha starts her coding project at 12 o'clock and finishes at two o'clock. How many hours is that?



Ben starts knitting a teddy at one o'clock and finishes at four o'clock. How many hours have passed?

Eemeli's plane takes off at five o'clock and lands at nine o'clock. How many hours does the journey take?

Time's up!

Can you work out what time each activity below finishes? Write your answers on the line.

1 Irie starts painting a picture at 3 p.m. and finishes it in 35 minutes.



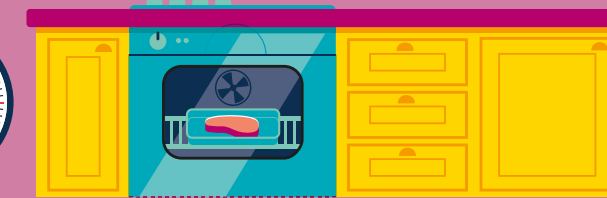
2 Bipasha begins a train journey at half past ten, and it takes two hours.



3 Gareth starts building a den at 11 a.m., and it takes three hours.



4 Oliver puts the food in the oven at two o'clock, and it takes 20 minutes to cook.



5 Jo gets on the bus to school at half past eight, and the journey takes 15 minutes.



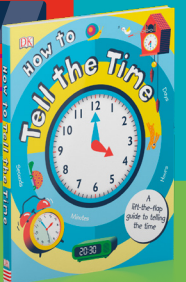
Answers: Long and Short: 1.(D) 2.(A) 3.(B) 4.(C) Timing Things: 1) 2 hours, 2) 3 hours, 3) 4 hours
Time's Up: 1) 3:35pm, 2) 12:30pm, 3) 2:00pm, 4) 2:20pm, 5) 8:45am



Read the page and have a go at the activities. For extra fun, think about how long different things you do every day take, such as brushing your teeth or having a shower.

Suitable for 5-7 years

Content from: *How to Tell The Time*
Available now



Measuring quiz

Now you've learnt all about measuring, take this fun quiz to test your skills. The answers are on the bottom of page.

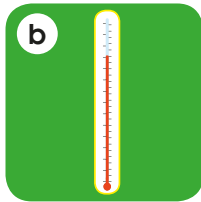
Measuring tools

1

Which of these would be best to measure the length of a bed?



a



b



c

2

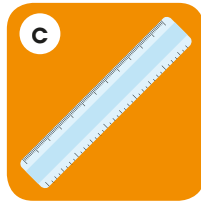
Which instrument would you use to measure the time of a swimming race?



a



b



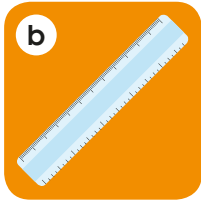
c

3

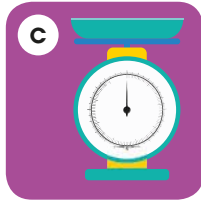
Which of these instruments would be most useful when measuring the weight of four oranges?



a



b



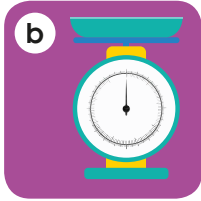
c

4

What would you use to measure the amount of water in a bucket?



a



b



c

Measuring units

1

Which unit would you use to measure the length of a car?



- a litres (l) or fluid ounces (fl oz)
- b metres (m) or feet (ft)
- c kilograms (kg) or pounds (lb)

2

What unit would you use to measure the amount of water in a watering can?



- a kilometres (km) or miles (mi)
- b kilograms (kg) or stones (st)
- c litres (l) or pints (pt)

3

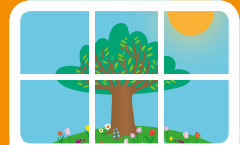
Which unit would be best to measure a pineapple's weight?



- a grams (g) or ounces (oz)
- b metres (m) or feet (ft)
- c millilitres (ml) or fluid ounces (fl oz)

4

Which unit would you use to tell the outside temperature?



- a kilometres (km) or miles (mi)
- b litres (l) or pints (pt)
- c Celsius (°C) or Fahrenheit (°F)

Match the tool with the unit

Can you match the measuring tool with the correct unit?



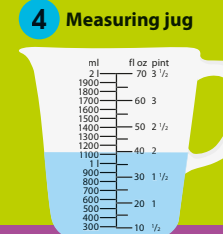
1



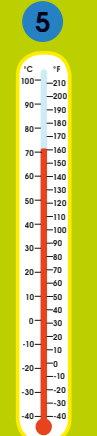
2



3



4 Measuring jug



5

- a hours, minutes, and seconds
- b litres and millilitres or fluid ounces and pints
- c grams and kilograms or pounds and ounces
- d Celsius or Fahrenheit
- e metres and centimetres or feet and inches

Answers Page 11 Calendar time 1. Thursday 2. five 3. Monday 4. Tuesday Page 11 Months of the year 1. spring 2. February 3. summer 4. autumn 5. June 6. December Page 16 Measuring tools 1. a ruler 2. b. stopwatch 3. c. weighing scales 4. c. measuring jug Page 17 Measuring units 1. b 2. c 3. a 4. c 5. d

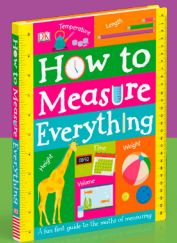


Take the measuring quiz above and see if you can score top marks!

Answers are at the bottom of the page.

Suitable for 5-7 years

Content from: *How to Measure Everything*
Available now



Temperature

We measure temperature, or how hot or cold something is, using a tool called a **thermometer**. It is useful to know what the temperature of something or somewhere is, as it can affect what we do and what we wear.

Temperature units

The units of measurement for temperature are called **degrees**. There are several different types, but most people use **degrees Celsius (°C)** or **degrees Fahrenheit (°F)**.



Temperature is shown in both °C and °F.

This is a **digital thermometer**. The display tells us the temperature.



Many analogue thermometers show temperature in both °C and °F.

This is an **analogue thermometer**. The height of the blue liquid in the tiny tube tells us the temperature. Look carefully to see what number it has reached.

★ A healthy human being will have a body temperature of about **37°C** or **98°F**.



30°C (86°F)

If it was **30°C** or **86°F**, you would feel **hot**.



5°C (41°F)

If it was **5°C** or **41°F**, you would feel **cold**.



20°C (68°F)

If it was **20°C** or **68°F**, you would feel **comfortable**.



Every day the weather forecast tells us the temperature outside. Read the page and give your own weather report to a family member. How hot or cold will it be?

Suitable for 5-7 years

Content from: *First Maths Glossary*
Available now

