

Maths activities for Year 2

Choose a selection of activities to complete:

Estimation

What does estimation mean?



- Fill up a pot or a jar with small items (coins, beads, Lego, pasta, sweets, biscuits) Estimate how many items there are in total.
- How did you work it out?
- Is there a different way to work it out?
- Count the actual amount careful (try to avoid counting in ones, can you count in groups to make it easier and quicker?)
- How close was your estimation to the actual answer?
- What could you do differently next time to make a more accurate estimation?
- You could add a competitive element to this – closest estimation gets a point.
- Now continue to estimate using a different pot/jar of items. Are your estimations improving?

Can you estimate which answer is correct?

Remember to discuss your answer. Then research the actual answer.

Make sure you ask an adults permission before using the internet to look up answers.

1. There are roughly 10/500/1000 million domestic cats in the world.
2. Cats sleep on average 8–9/13–14/18–19 hours a day.
3. The average life of a dog is 10–14/14–18/18–20 years.
4. Dolphins live in groups called pods or schools of up to 12/20/30 individual Dolphins.
5. Adult elephants need to drink about 100/200/400 litres of water a day.
6. A giraffe's neck is about 120/170/220 cm long.
7. A lion's roar can be heard 8/12/16 kilometres away.
8. Which weighs more a mouse/ a penguin / a turtle?
9. Which is quickest a golden eagle, a hippo or a sheep?

Estimation Problem Solving – The Man



The Man is much smaller than you and me.

Here is a picture of him standing next to a mug.

1. Can you estimate how tall he is?
2. Can you think of something that you have at school or home that is approximately twice as tall as the Man?
3. What about something that is about half as tall as the Man?
4. How tall do you think the Man's mug might be?
5. Can you estimate how many "Man mugs" of tea might fill one of our mugs?

Estimation Activities:

- Complete activity cards 1-7 on Measuring and Estimation Activities PDF
- Complete the Scavenger Hunt Activities on Scavenger Hunt PDF. (For the measure section remember to estimate first before you begin).

Let's go shopping!

- Gather a shopping bag of products which have the weight written on them
- .
- Without looking can you estimate the items weight accurately using grams or kilograms?
- Order the items from heaviest to lightest.
- Can you check the weights written are correct by using scales? Draw the object and write down its actual weight.
- Re-order the items from lightest to heaviest.

Websites for Measuring and Estimation:

<https://www.bbc.co.uk/bitesize/clips/zshsb9q>

<https://www.bbc.co.uk/programmes/p017klcy>

<https://www.mathsisfun.com/numbers/estimation-visual.html>

<https://nrich.maths.org/10653>

<https://nrich.maths.org/7413>

<https://www.mangahigh.com/en-gb/games/iceicemaybe>

(estimation of number on a scale)

<https://www.purplemash.com/#app/pup/estimations>

Measuring

[https://www.purplemash.com/#tab/pm-](https://www.purplemash.com/#tab/pm-home/maths/measures/maths)

[home/maths/measures/maths](https://www.purplemash.com/#tab/pm-home/maths/measures/maths) measures all

General Websites:

There are some great resources on the web to help support and consolidate your learning why not try these?

<https://www.bbc.co.uk/bitesize/subjects/zjxhfg8>

<https://nrich.maths.org/14600>

<https://www.hamilton-trust.org.uk/>

use for 2x 3x 5x 10 x

<https://www.bbc.co.uk/teach/super movers/times-table-collection/z4vv6v4>

<https://www.topmarks.co.uk/maths-games/5-7-years/counting>

<https://whiterosemaths.com/homelearning/year-2/>

Don't forget that information about how we approach teaching calculations and the methods we use in Year 2, together with handy hints and tips for additional ways to support at home are available on the school website under: Parents – Maths Curriculum Evening – Maths Curriculum Evening PPT Yr 2 Feb '20 PDF.