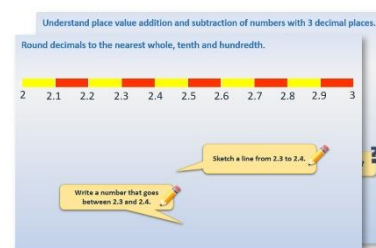


Year 1: Week 5, Day 3

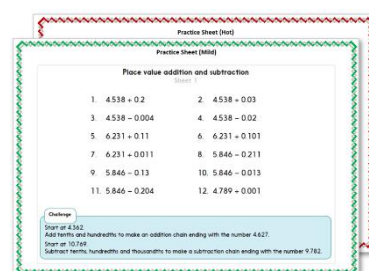
Weight

Each day covers one maths topic. It should take you about 1 hour or just a little more.

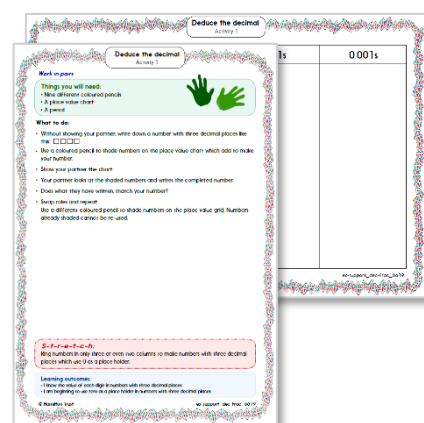
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



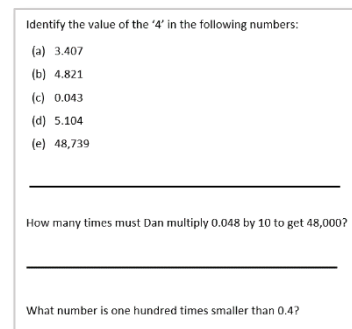
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



3. Finding it tricky? That's OK... have a go with a grown-up at **A Bit Stuck?**



4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



Learning Reminders

Compare weight using direct comparison.

Hold a handful of cotton wool, a potato and then a large pebble.

These objects should all be about the same size.



Which feels
heavy?

?

Which feels
light?

?

Learning Reminders

Compare weight using direct comparison.

Place the three items in order according to how heavy they feel.

Now compare them using scales, preferably the sort with two pans so two objects can be compared at the same time.

What do you think will happen when I put the potato on this side and the cotton wool on the other?

Which is heavier the stone or the potato?
How do you know?

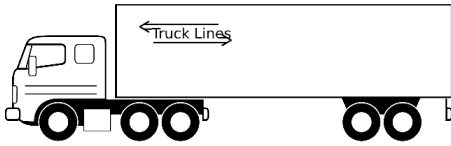
The stone is the **heaviest** and the cotton wool is the **lightest**.

Practice Sheet Mild

Which is heavier?

Circle the object in each pair that you think would weigh more.

1.



2.



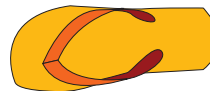
3.



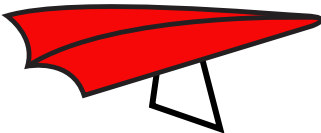
4.



5.



6.



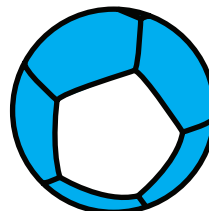
7.



8.



9.



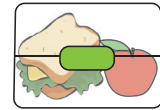
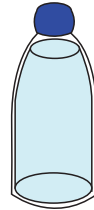
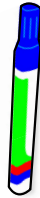
Challenge

Draw an object that would be heavier than the two examples given, e.g. a lorry and a car – you might draw a plane.

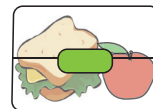
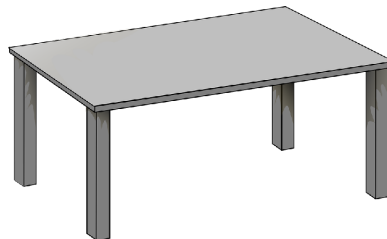
Practice Sheet Hot

Comparing objects?

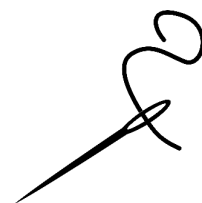
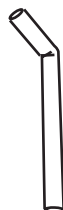
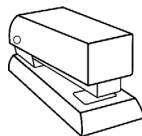
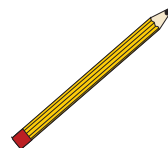
Which objects might be **heavier** than the glue stick?
Circle those you think would weigh more.



Which objects might be **lighter** than the shoe?
Circle those you think would weigh less.



Which objects might be **lighter** than the pencil?
Circle those you think would weigh less.



Challenge

Now think of three items that would weigh about the same as a toy car.
Draw them here:



Practice Sheets Answers

Which is heavier? (mild)

1. Lorry
2. Tractor
3. Bike
4. Scooter
5. Roller boot
6. Plane
7. Banana
9. Apple
10. Football

Comparing objects (hot)

The chair, water bottle and lunchbox might all be heavier than the glue stick.
The pen, glue stick, paintbrush and lunchbox might all be lighter than the shoe.
The drawing pin, straw and needle might all be lighter than the pencil.

Challenge

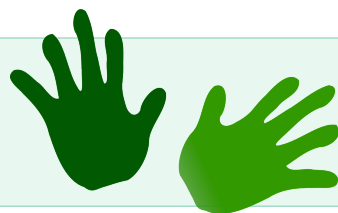
Items that would weigh about the same as a toy car, e.g. glue stick, apple, small rubber, whiteboard pen....

A Bit Stuck?

Ups and downs

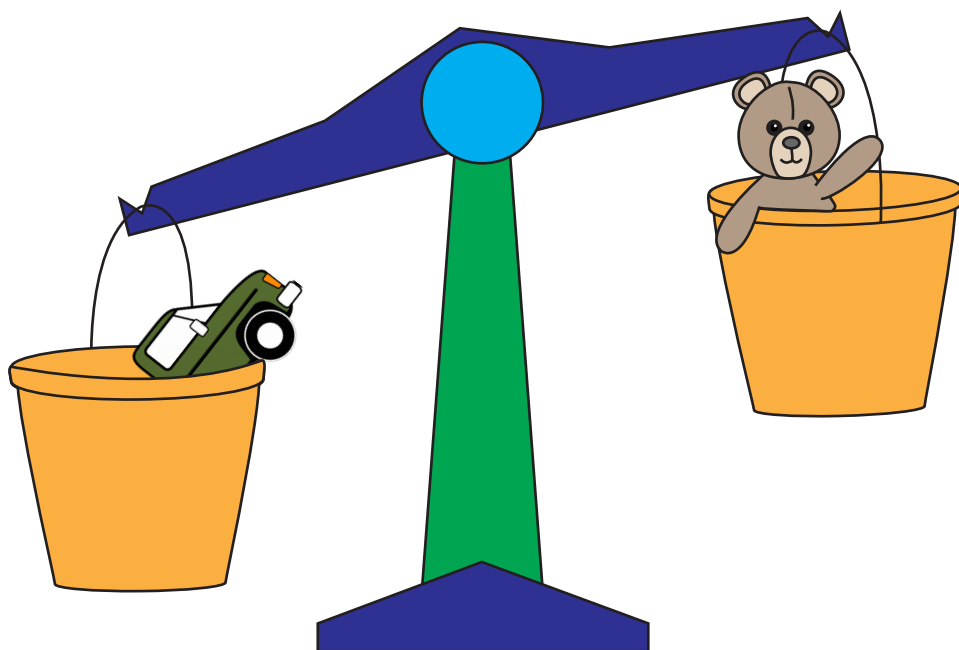
Things you will need:

- Toys



What to do:

- Choose two toys.
- Hold a toy in each hand with your arms outstretched - you be the balance! Guess which is heavier. Which arm needs to move up and which needs to move down?
- Repeat with other pairs of toys.



Learning outcomes

- I can compare the weights of two toys.

Check your understanding

Questions

Which is heavier...

- i. A potato or a pebble?
- ii. A book or a shoe?
- iii. A soft toy or a paint pot?

Ask an adult to help you to use some scales to find out.

Sometimes, always, never true...

- A book is the same weight as 12 marbles?
- A shoe is heavier than a sock?
- A big handful of cotton wool is lighter than three 50p coins?

Fold here to hide answers

Check your understanding

Answers

Which is heavier...

- (i) A potato or a pebble? Could be quite similar. Best checked on a scale.
- (ii) A book or a shoe? Varies, depending on the book (or the shoe!).
- (iii) A soft toy or a paint pot? Varies, try different soft toys.

Ask an adult to help you to use some scales to find out.

Check children understand how to use a pair of balance scales if you have them, e.g. ensuring it is balanced and stable before placing objects, placing objects carefully and realising the side going down contains the heavier object.

Sometimes, always, never true...

- A book is the same weight as 12 marbles? Sometimes – depends on the book.
- A shoe is heavier than a sock? Always.
- A big handful of cotton wool is lighter than three 50p coins? Sometimes – depends on the density of the cotton wool.