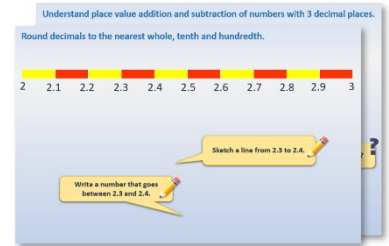


Week 7, Day 5

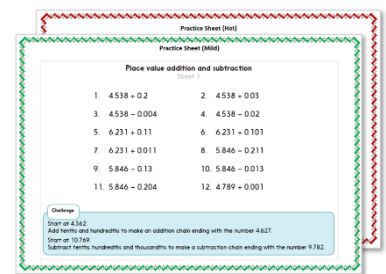
Time in seconds

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

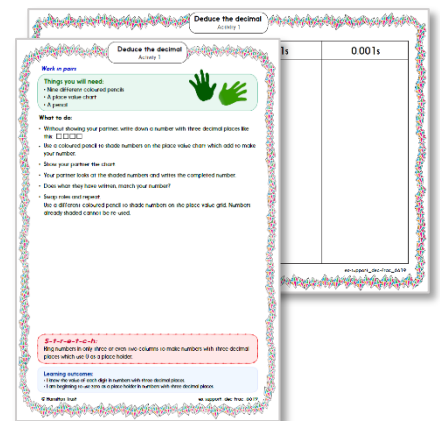
1. Start by sharing the **Practical activity**.



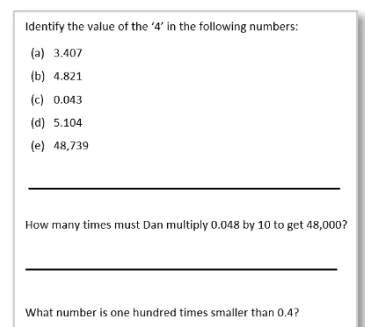
2. Tackle the questions on the **Practice Sheet**.
There might be a choice of either **Mild** (easier) or **Hot** (harder)!
Check the answers.



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!



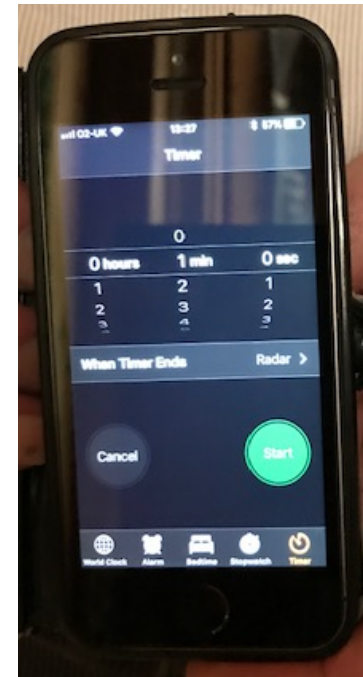
Practical activity

Seconds count

This activity is designed to help your child to gain a sense of how long a minute is.

*When we say, 'wait a minute'
we often don't actually mean
a minute!
It's often longer...*

- Show your child the stopwatch on a mobile phone.
- Start it and point out which digits are showing seconds.
- Stop it after it reaches a minute and point out that there are 60 seconds in a minute.
- Reset and start again.
- Together say '1 second, 2 seconds, 3 seconds' and so on until 21, then just say '22, 23,' etc. until 60.
- Start the timer again, but turn the phone over as you count for 60 seconds. Turn back over as soon as you stop counting. How close were you?!
- Ask your child to silently count 15 seconds while you time them. They shout 'stop' when they've finished.
How close was their estimate?
- Repeat; this time counting 30 seconds. They can also time you!
- How many letters of the alphabet do you think you could write in 30 seconds? Ask your child to write as many letters as they can in alphabetical order while you time them. Try other activities like jumping or hopping.



Practice Sheet Mild

Is it possible?

Read the table below line by line.
Put a tick under possible or impossible.
Write an estimate for the time in seconds.

Activity	Possible in 30 seconds	Impossible in 30 seconds	Estimate time in seconds	Check your estimates
Write the alphabet once				
Write the numbers 1 to 10 twice				
Build a tower of 18 blocks				
Stand up and sit down 5 times				
Count aloud to 100				
Draw a square with a circle inside it				
Cut out a square				
Count backwards to 20 to 0				
Draw a house				
Colour a rainbow				
Write the even numbers to 20				
Tie a bow				

Check some of your estimates using a stopwatch.

Challenge

Write this sentence as many times as possible in one minute:
The quick brown fox jumps over the lazy dog.
What is special about the sentence?

Practice Sheet Hot

Minute measuring

1. Write this sentence: The quick brown fox jumps over the lazy dog.
2. How many times you can write it in a minute?
Ask a partner to time you.
3. Create a sentence of your own that takes EXACTLY one minute to write.
4. Start writing all the numbers, 0, 1, 2, 3, etc.
Stop when you think you have been going for 1 minute.
What number did you reach? How close to 1 minute were you?

Challenge

- Start a minute timer. Roll a dice. Roll it again.
Add the number to the first number rolled.
- Roll it again and add the number to the previous total.
- Keep going until the minute has finished.
- What total did you get to?
- Try again... Can you beat your score?!

Practice Sheets Answers

Is it possible? (mild)

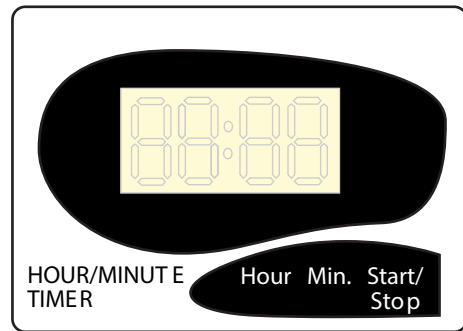
Challenge

The sentence contains ALL letters from a to z.

A Bit Stuck? Just a minute

You will need:

- A timer, e.g. on a mobile phone



What to do:

1. Ask an adult to help you to set the timer to 60 seconds, so that it counts back from 60 to 0 seconds. This is one minute.
2. Choose one of these activities and see how many you can do in one minute!
 - Put on and take off your shoes (or socks if you have lace-up shoes).
 - Write your first name over and over again.
 - Sing 'head, shoulders, knees and toes', with actions!
 - Write numbers, starting with 100 and going backwards. How far can you get before time runs out?
 - Write today's day (e.g. Friday) over and over again.
 - Build a pyramid of six cups: three at the bottom, two in the next layer and one at the top, knock it down and repeat.
 - Take a pillowcase off the pillow and put it back on again.
 - Tip out a box of Lego and see how many pieces you can put back in one minute.
 - Draw as many smiley faces in a line as you can.
3. Choose another activity. This time GUESS how many you might be able to do in a minute before you try.
4. Repeat with another activity. You might want to repeat an activity and try to even more!

Check your understanding

Questions

In 1 minute, I can Sometimes/ Always/ Never:

- Tie both shoelaces;
 - Count to 100;
 - Roll ten 6s on a 0-9 dice;
 - Toss a coin and get five *heads*.
-

Give your most accurate estimates to complete these sentences:

In 30 seconds, I can...

- drink cups of water;
- climb up steps;
- run times across the playground.

In 1 minute, I can...

- walk there and back across the classroom times;
 - do push-ups;
 - write *Tyrannosaurus Rex* times.
-
-

Check your understanding

Answers

In 1 minute, I can Sometimes / Always / Never:

- Tie both shoelaces;
- Count to 100;
- Roll ten 6s on a 0-9 dice;
- Toss a coin and get five *heads*.

In these and the following estimating activities it is probably best to assess children through discussion: *How did you make your choice? Is it realistic? Is it based on prior experience? Some children will naturally exaggerate...challenge any estimates that seem unrealistic.*

Give your most accurate estimates to complete these sentences:

In 30 seconds, I can...

- drink cups of water; 2-3? Will depend on size of cup.
- climb up steps; 30 – assumes 1 step per second.
- run times across the playground. 1-2? Will depend on the size of the playground...

In 1 minute, I can...

- walk there and back across the classroom times; 5-10? - depending on classroom size.
- do push-ups; 12-15? – assumes 4-5 seconds per push up and that the rate is maintained for a full minute.
- write *Tyrannosaurus Rex* times. 5-6 - taking around 10 seconds to write it each time.