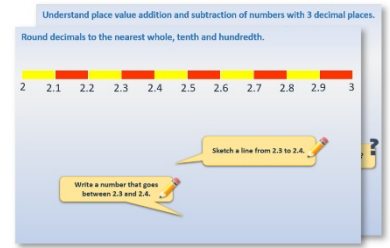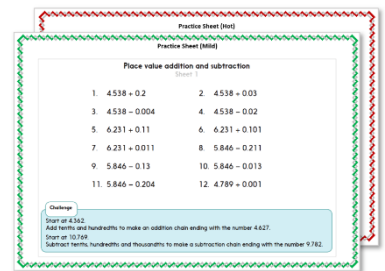# Year 3: Week 4, Day 5
Time events; bar charts

Each day covers one maths topic. It should take you about 1 hour or just a little more.
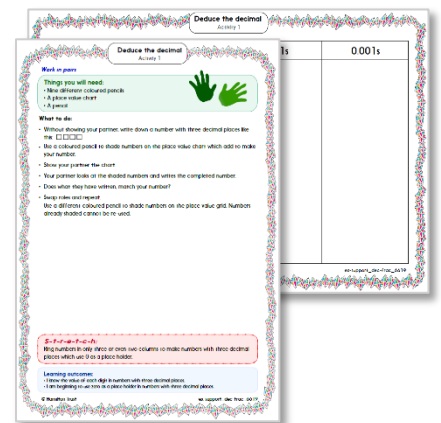
1. Start by reading through the **Learning Reminders**.
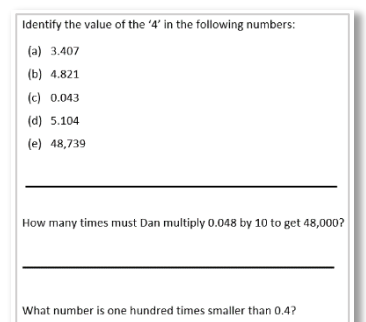   They come from our *PowerPoint* slides.

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

Time events in seconds; Collect data and display in a bar chart.

How many times do you think you could write your name in **one minute**?

Will everyone write their name the same number of times?

Why not?

Ashley
Ashley
Ashley
Ashley
Ashley
Ashley
Ashl

Learning Reminders

Time events in seconds; Collect data and display in a bar chart.

Let's see how long it takes to write the first 5 months...

January
Febraury
March
April
May

The spelling doesn't matter but it must be readable!
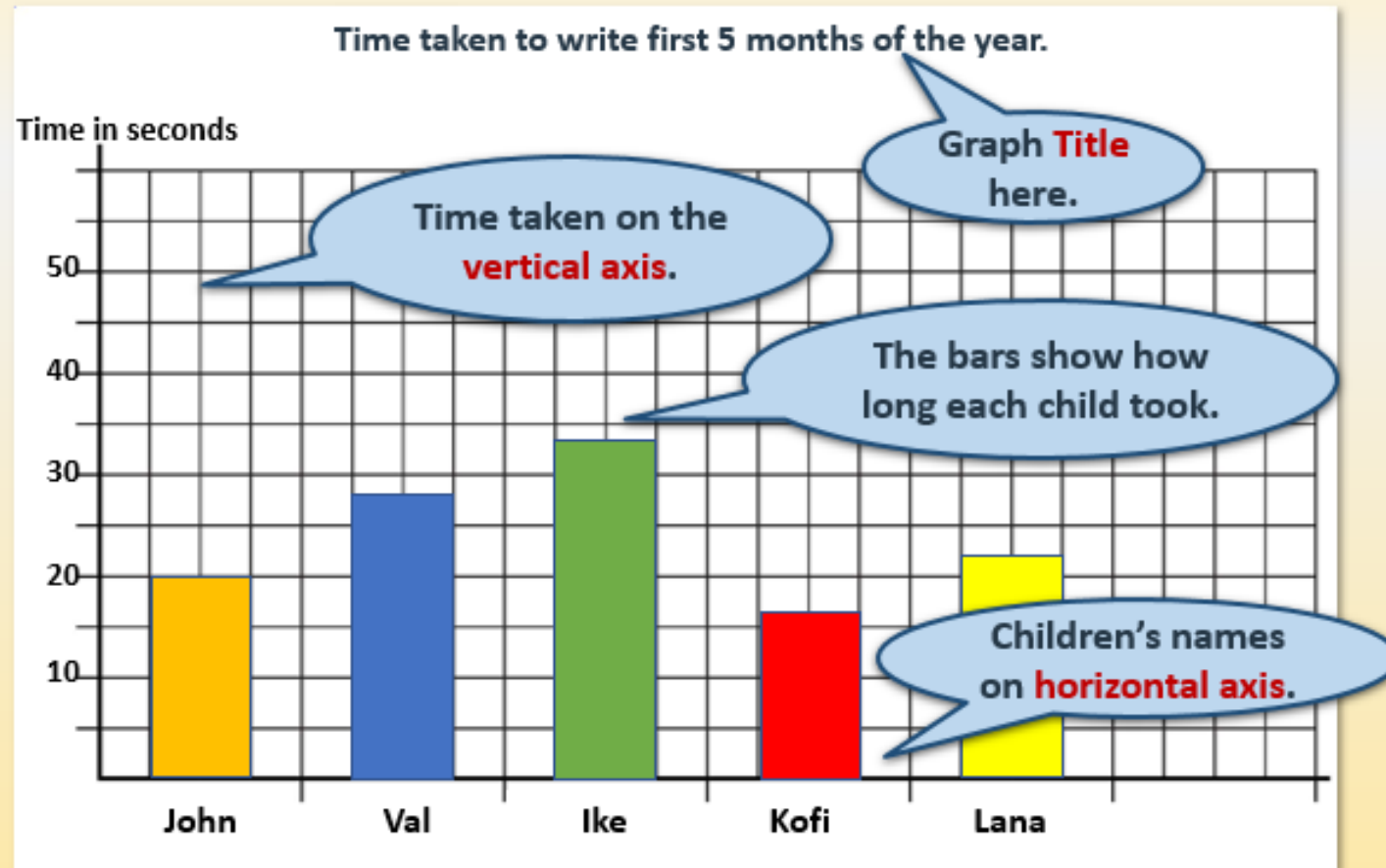As soon as you have finished, look up and record your time in seconds.

In this table are the results for 5 children...

Let's display that information using a **bar chart**...

Name	Time (sec)
John	20
Val	28
Ike	33
Kofi	16
Lana	22

Learning Reminders

Practice Sheet Mild
Data practice

The table shows how quickly six people ran the 200m race.
Use the information in the table to complete the bar chart.

Name	Race time (seconds)
Jessica	47
Imran	31
Holly	36
Karolina	28
Zain	29
Mason	54

Time taken to run 200 m

Race time (seconds)

Name

Challenge

Write two facts that you can interpret from the bar chart.
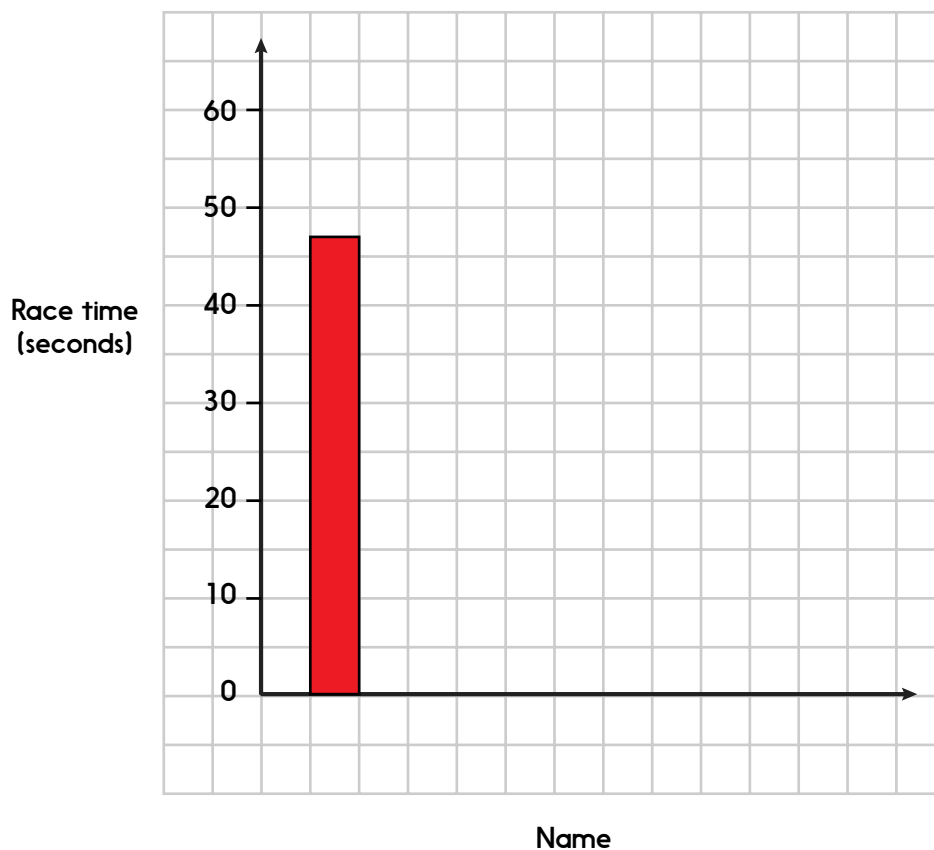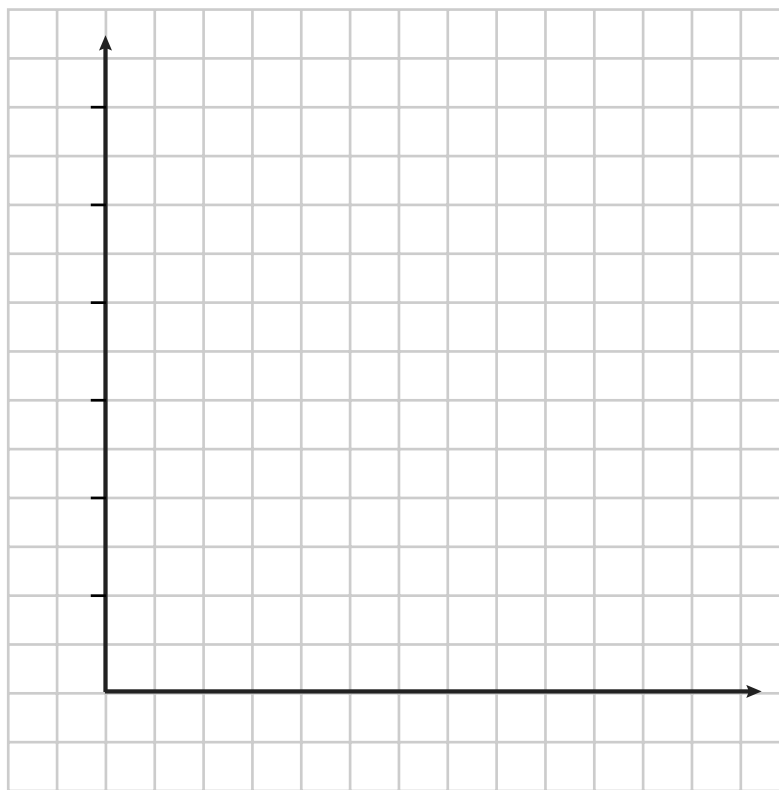
Fact 1: _____

Fact 2: _____

Practice Sheet Hot
Data practice

The table shows how quickly six people ran the 200 m race.
Use the information in the table to complete the bar chart.

Name	Race time (seconds)
Dan	53
Kirby	36
Zoe	31
Sophie	42
Omar	45
Jakub	39

Challenge

Write two facts that you can interpret from the bar chart.

Fact 1: _____

Fact 2: _____

Practice Sheet Answers

Data Practice Mild

Time taken to run 200 m

Race time (seconds) vs Name — bar chart showing: Jessica 47, Imran 31, Holly 35, Karolina 27, Zain 28, Mason 53
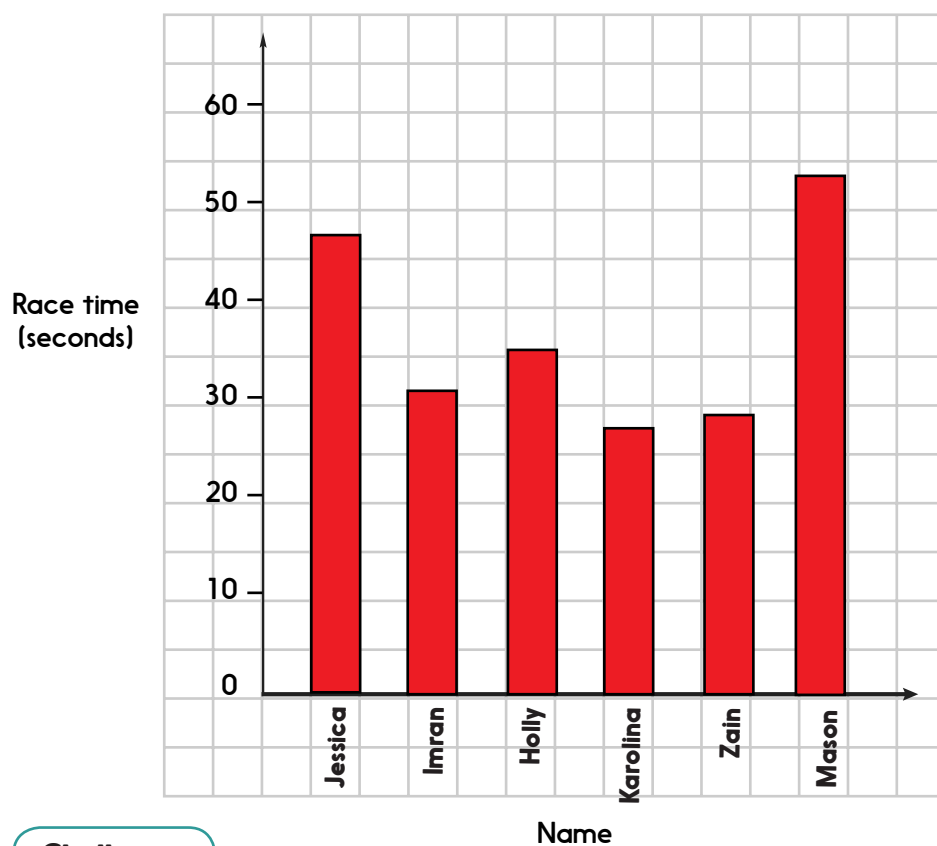
Challenge

Children could give two of the following facts interpreted from the bar chart:

Mason was the slowest.

Karolina was the fastest.

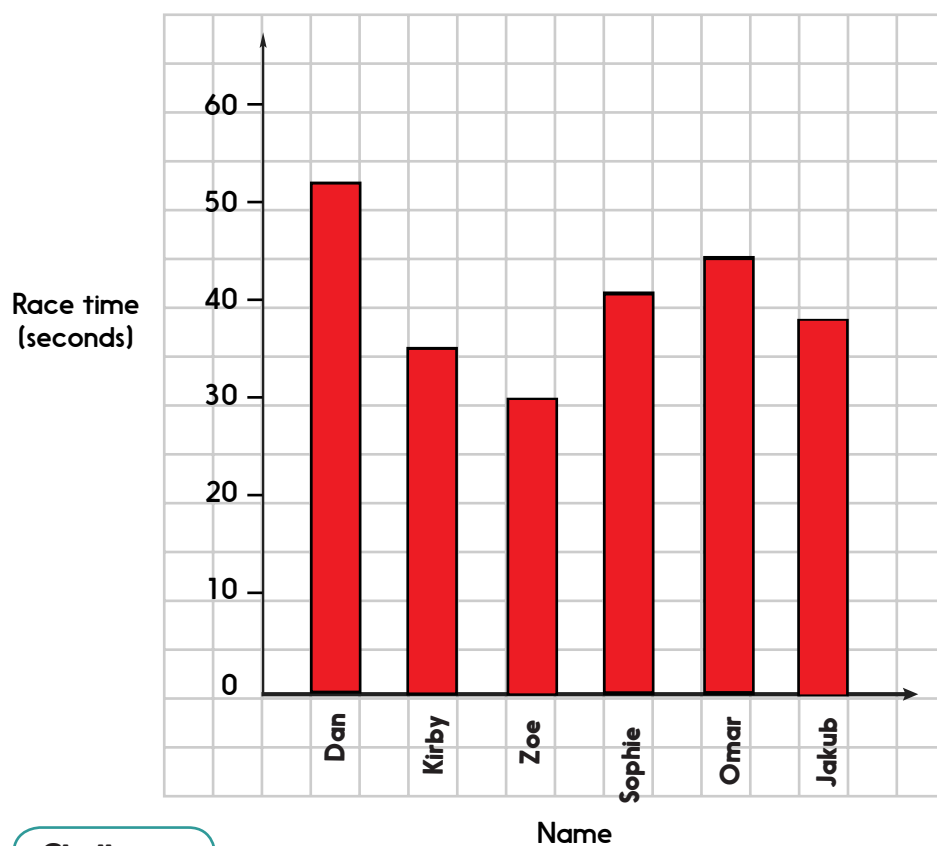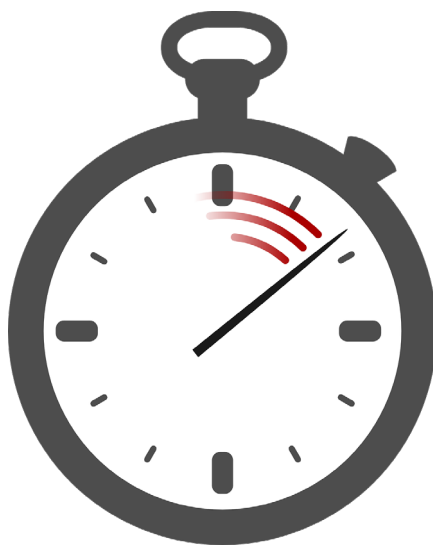Mason was last in the race.

Zain was second in the race.

Imran was third in the race.

Karolina was one second faster than Zain... or other facts of their own.

Practice Sheet Answers

Data Practice Hot

Time taken to run 200 m

What to do:

- Use a stopwatch to time how long takes you to:

- Do 20 star jumps.

- Run to the front door and back 10 times.

- Write the two times table up 12 x 2 = 24.

- Write the days of the week in order.

- Write the alphabet in order.

- Roll a 6 six times on a dice.

S-t-r-e-t-c-h:

Start a timer/stopwatch.
- Roll a dice. Roll again and add the number rolled to the previous number.
- Roll again and add to the previous total.
- Keep going.
- What total can you get to in 60 seconds?!
- Repeat. Can you get a greater total this time?

    Challenge someone else to do the same – can they beat your best total?

Check your understanding:
Questions

Say which things would be timed in *seconds*, which would be timed in *minutes*, and which in *hours*.

   (a) cleaning your teeth

   (b) watching a film

   (c) a night's sleep

   (d) eating a biscuit

   (e) your journey to school

Write three things you could do in under 30 seconds.

Fold here to hide answers:

Check your understanding:
Answers

Say which things would be timed in *seconds*, which would be timed in *minutes*, and which in *hours*.

  (a) cleaning your teeth   Seconds/Minutes

      NB The NHS recommend 2 minutes though children may opt for seconds!

  (b) watching a film   Hours – feature length/Minutes – if short.

  (c) a night's sleep   Hours

  (d) eating a biscuit   Seconds

  (e) your journey to school   Minutes (probably)

Write three things you could do in under 30 seconds.
Accept any reasonable answers, e.g. write their name, put on their socks, eat a biscuit.