Year 3 Maths Lesson

2.03.21

Home Learning Powerpoint – If you have any problems, just send us a Dojo message.

On this maths powerpoint:

- 1 warm up activity
- Answers from yesterday's work
- 1 maths lesson

Remember – you can get Dojos for posting pictures of your work on Class Dojo!

Warm Up Activity 2

Answers on the next slide. No peeking!

Work out these problems. Use the vocabulary to help you solve the calculations.

1. What is the sum of 34 and 13?
2. Decrease 45 by 23.
3. Times 4 by 8.
4. Increase 67 by 49.
5. Take away 65 from 89.
6. Share 45 between 5.
7. Divide 56 by 8.
8. What is 59 added to 58?
9. What is the total of 234 and 321?
10. Double 36 and then double the answer.

Warm Up Activity 2 answers

Work out these problems. Use the vocabulary to help you solve the calculations.

1. What is the sum of 34 and 13? 47
2. Decrease 45 by 23. 22
3. Times 4 by 8. 32
4. Increase 67 by 49. 116
5. Take away 65 from 89. 24
6. Share 45 between 5. 9
7. Divide 56 by 8. 7
8. What is 59 added to 58? 117
9. What is the total of 234 and 321? 555
10. Double 36 and then double the answer. 148

2.03.21

Write today's date and objective in your home learning book.

Can I give equivalent lengths for metres and centimetres?

Remember to be proud of your work and use your best presentation

The answers to yesterday's work are on the first few slides.

Measure length (m)

1 Look around your classroom.

Choose 10 objects.

a) Estimate which objects are longer than 1 metre and which are shorter than 1 metre.

b) Draw each object in the correct part of the table.

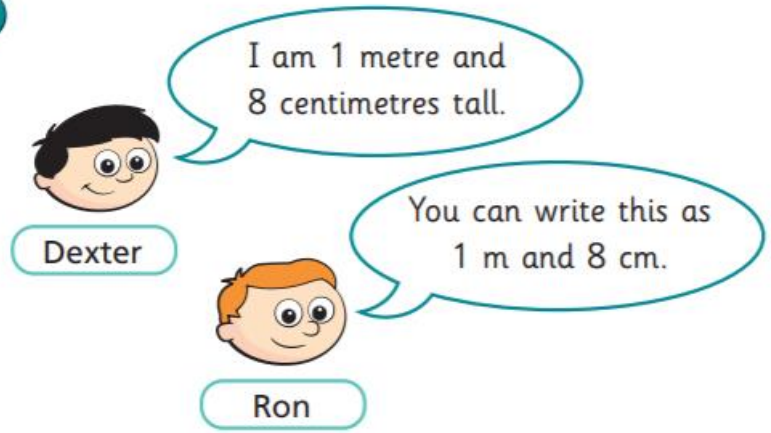
Longer than 1 metre	Shorter than 1 metre

c) Use a metre ruler to measure your objects.

Did you put them in the correct column?

d) Which object is closest to 1 metre long?

2



Do you agree with Ron? Yes

Talk about it with a partner.

Complete the sentences.

a) Dexter is 1 m and 8 cm tall.

b) Dani is 1 metre and 21 centimetres tall.

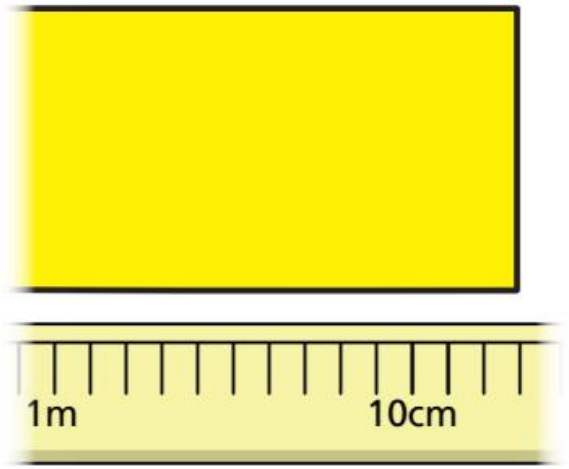
Dani is 1 m and 21 cm tall.

c) Scott is 1 metre and 11 centimetres tall.

Scott is 1 m and 11 cm tall.

3 Class 2 are measuring poster paper for an art lesson.

Nijah puts the paper next to a 2-metre stick.



How long is the poster paper?

[1] m and [13] cm

4 Measure the longest side of your classroom and complete the sentence.

My classroom is [ ] and [ ] long.

5

Daddy Bear is 2 metres tall.

Baby Bear is half as tall as Daddy Bear.

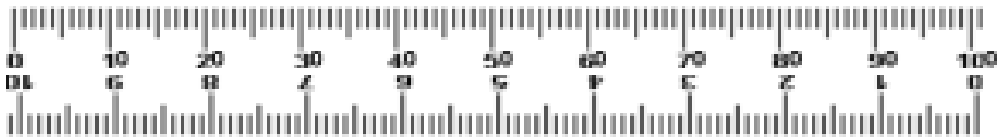
a) How tall is Baby Bear? [1] m

b) Mummy Bear is taller than Baby Bear, but shorter than Daddy Bear.
How tall could Mummy Bear be?

e.g. Mummy Bear could be [1m] and [42cm] tall.

Compare answers with a partner.

This week we are learning about length. What is length a measurement of?



What units can we measure length in?

Length is a measure of distance.

For today's Maths lesson, I would like you to use this video from White Rose Maths. Today we are looking at converting lengths between metres and centimetres. Watch the short video, pausing it when instructed and then complete the worksheet.

https://vimeo.com/504467081

You will need to get the equipment shown here →

- Pencil
- Ruler
- Exercise book

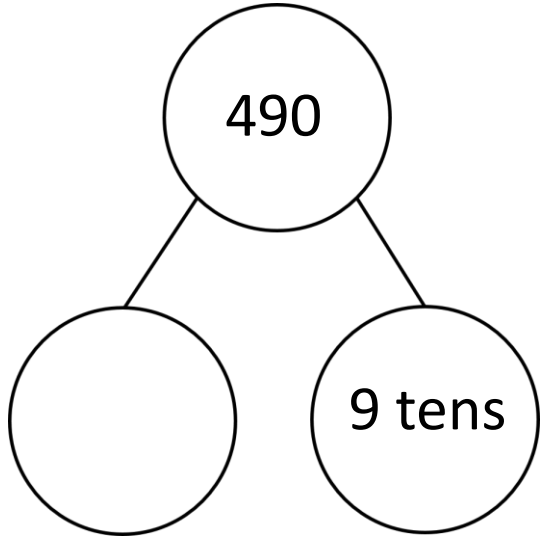
I have also copied a few of the slides to help you on your way.

1) Complete the sequence.

100, 200, 300, 400, _____, _____

2) How many hundreds are in 870?

3) Complete the part-whole model.



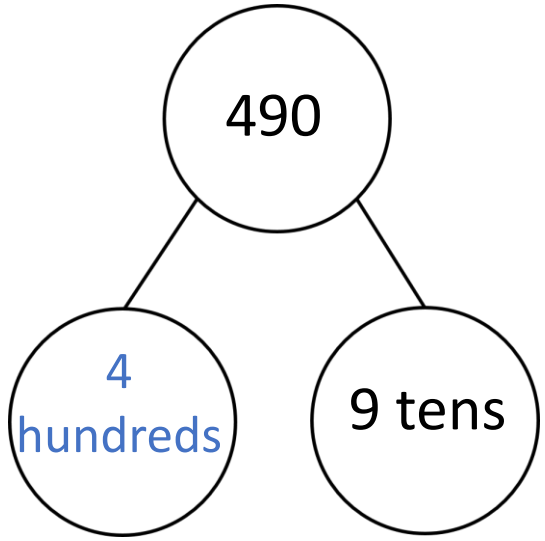
1) Complete the sequence.

100, 200, 300, 400, 500, 600

2) How many hundreds are in 870?

8 hundreds

3) Complete the part-whole model.

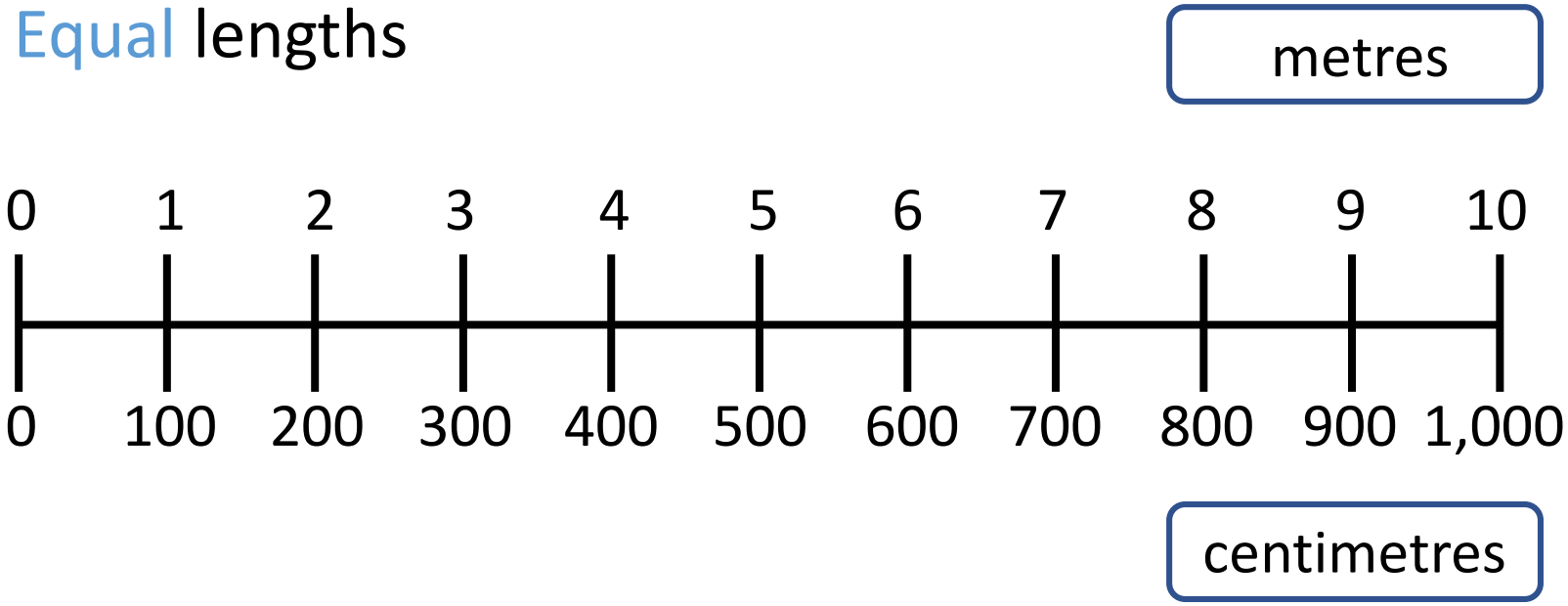


LET'S LEARN

White Rose Maths

Equivalent lengths

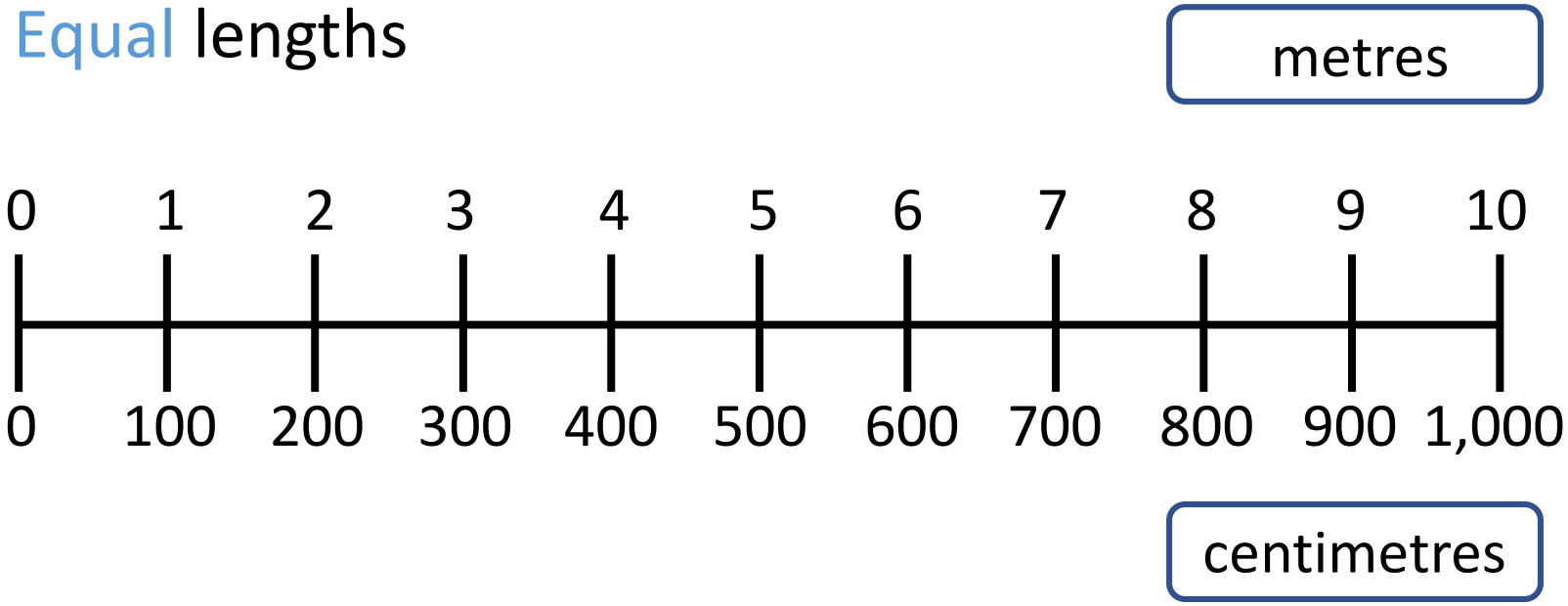
Equal lengths



1,

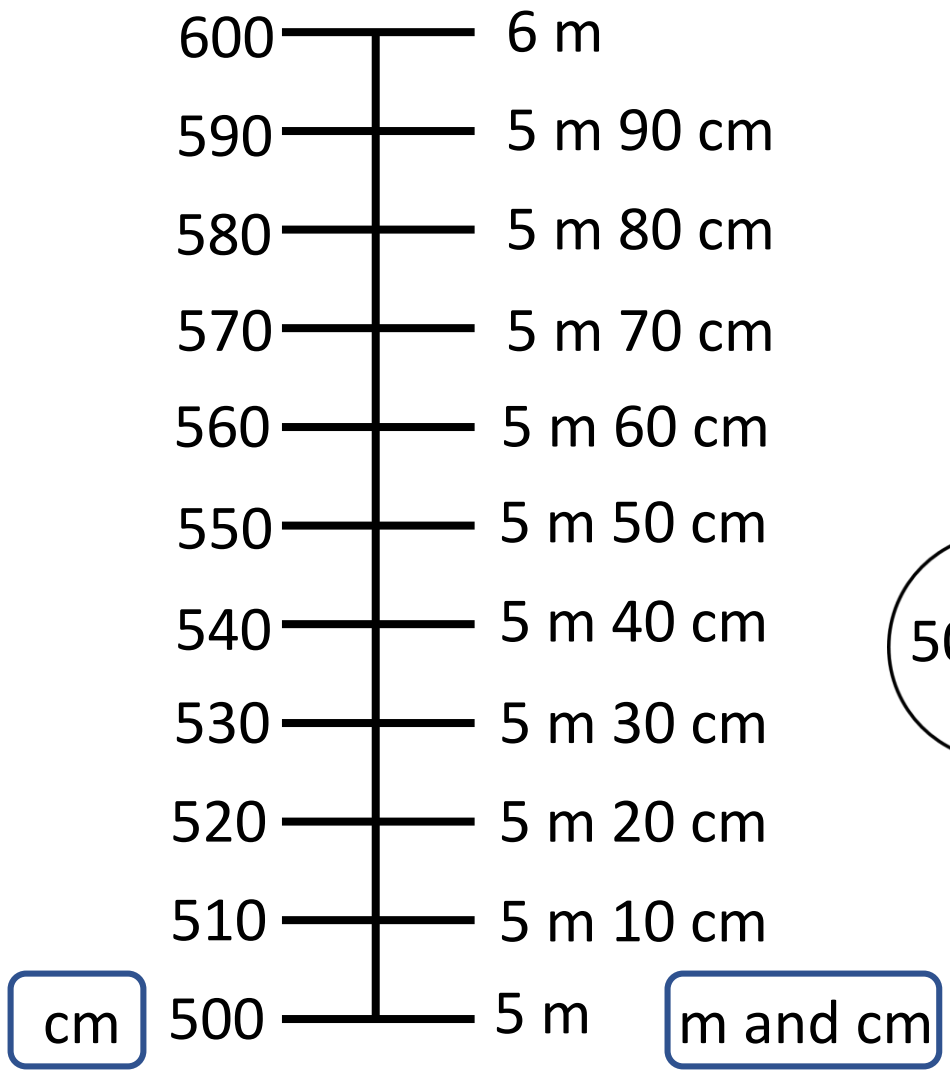
Equivalent lengths

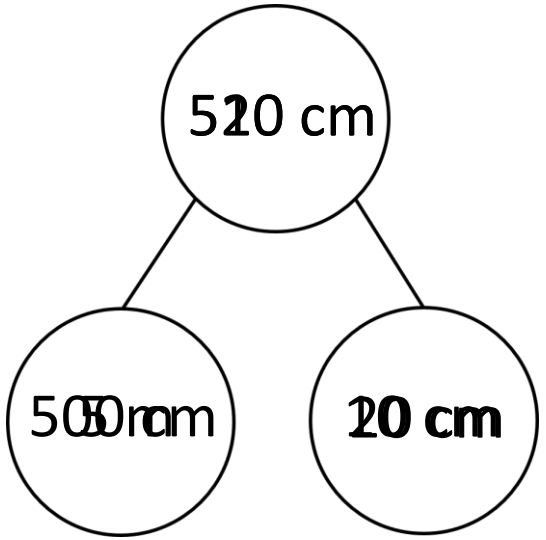
Equal lengths



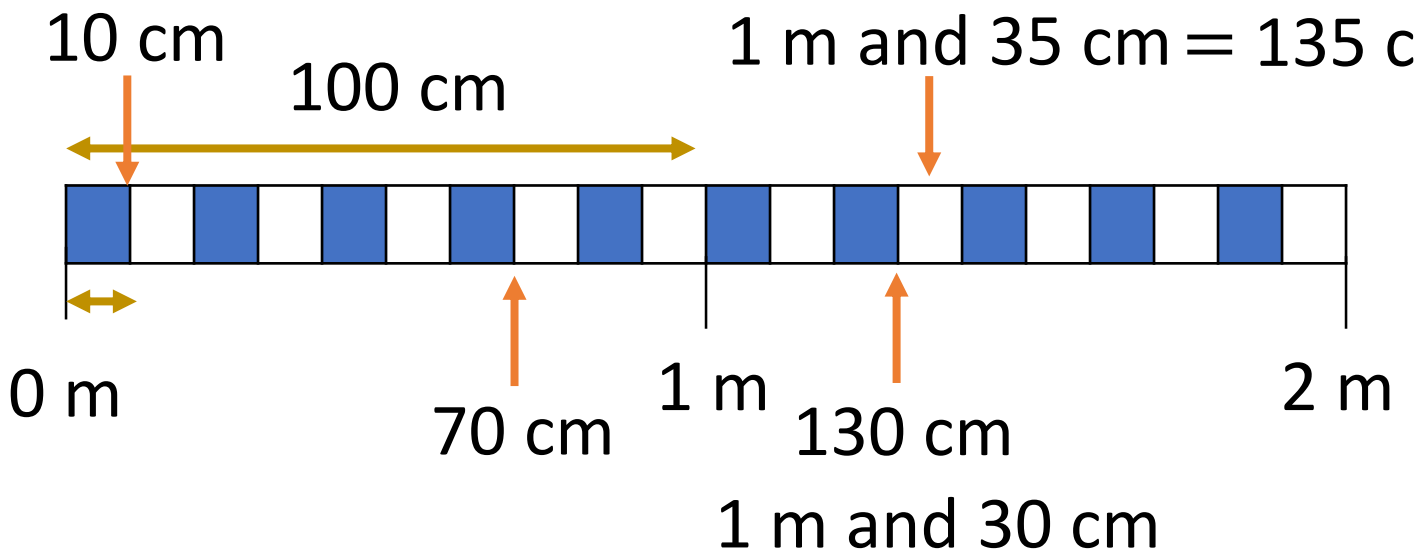
1,

Have a think


600
590
580
570
560
550
540
530
520
510
500
6 m
5 m 90 cm
5 m 80 cm
5 m 70 cm
5 m 60 cm
5 m 50 cm
5 m 40 cm
5 m 30 cm
5 m 20 cm
5 m 10 cm
5 m
cm
m and cm


520 cm

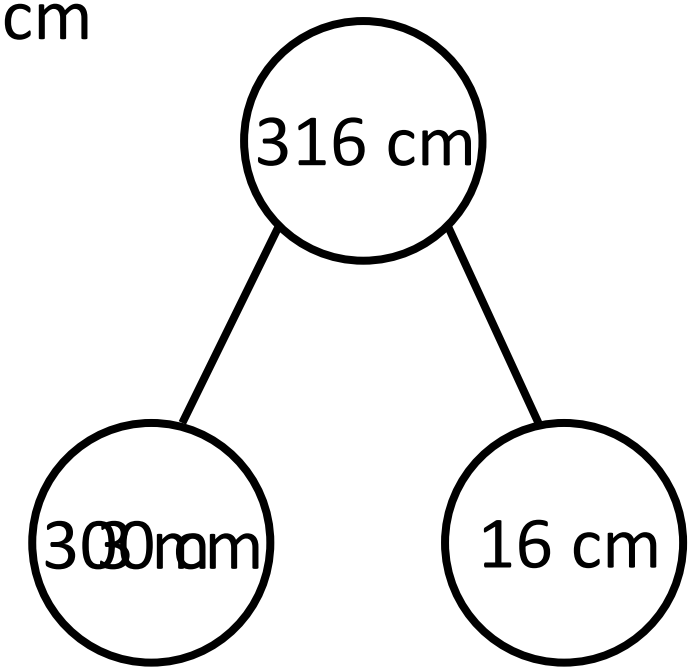
Have a think



100 cm ÷ 10 = 10 cm

3 m and 16 cm = 316 cm

316 cm	
3 m	16 cm



300 cm + 16 cm = 316 cm

YOUR TURN

Have a go at the worksheet on the next slides.

White Rose Maths

Equivalent lengths – m and cm

1 There are 100 centimetres (cm) in 1 metre (m).

Use the bar models to complete the sentences.

1 m
100 cm

a)

1 m	1 m	1 m

There are ☐ cm in 3 m.

b)

1 m	1 m	1 m	1 m	1 m	1 m

There are ☐ cm in 6 m.

c)

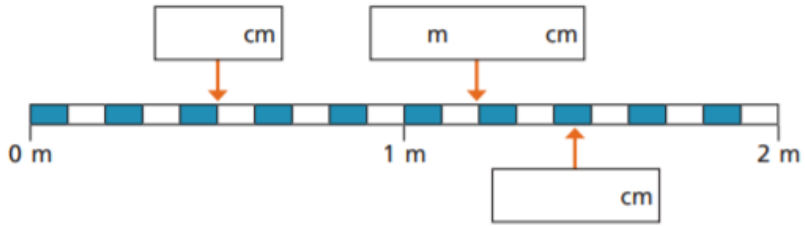
100 cm	100 cm	100 cm	100 cm	100 cm

There are 500 cm in ☐ m.

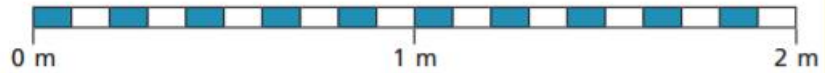
2 Complete the table to show equivalent lengths and continue the pattern.

cm	m and cm
310 cm	3 m and 10 cm
320 cm	m and cm
330 cm	m and cm
cm	3 m and 40 cm
cm	3 m and 50 cm
cm	m and cm
cm	m and cm

3 Write the missing measurements.



4 Draw an arrow to show the position of each measurement.



A	B	C	D
20 cm	0 m 75 cm	130 cm	1 m 65 cm

5 Complete the bar models.

a)

160 cm	
m	cm

b)

268 cm	
m	cm

c)

	cm
4 m	10 cm

d)

	cm
2 m	5 cm

6 Complete the sentences.

a) 240 cm = ☐ m and ☐ cm

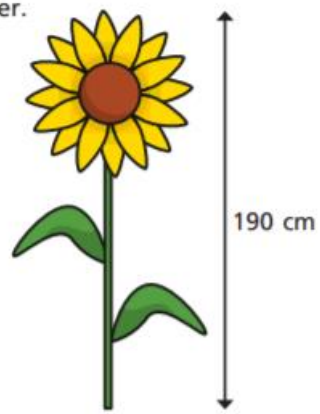
b) 319 cm = ☐ m and ☐ cm

c) 508 cm = ☐ m and ☐ cm

d) 2 m and 15 cm = ☐ cm

e) 8 m and 3 cm = ☐ cm

7 Here is Huan's sunflower.



Dani's sunflower is 2 m and 30 cm.

Tom's sunflower is exactly halfway between Huan's and Dani's.

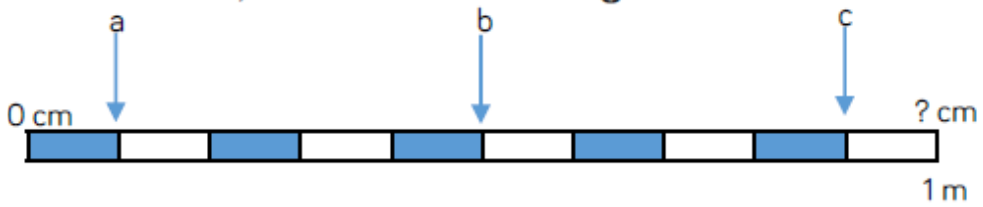
How tall is Tom's sunflower?

Write your answer in metres and centimetres.

☐ m and ☐ cm

Challenges – Have a go at these.

If a = 10 cm, calculate the missing measurements.



b = ____ cm c = ____ cm 1 metre = ____ cm

Three children are partitioning 754 cm

Teddy says,

75 m and 4 cm

Whitney says,

7 m and 54 cm

Jack says,

54 cm and 7 m

Who is correct?
Explain why.

Mo and Alex each have a skipping rope.

Alex says,

I have the longest skipping rope. My skipping rope is $2\frac{1}{2}$ metres long.

Mo says,

My skipping rope is the longest because it is 220 cm and 220 is greater than $2\frac{1}{2}$

Who is correct?
Explain your answer.

Can you match the equivalent measurements?

100 cm	9 m
5 m	200 cm
300 cm	500 cm
2 m	1 metre
900 centimetres	3 m

How did you do?

I can't wait to look at your work.

Don't forget to put your finished work on Class Dojo!