Maths Planning and Ideas

Week Commencing: 20th April 2020

Year Group: Year 3

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	LC: Can you recognise tenths?	LC: can you count in tenths?	LC: Can you write tenths as a decimal?	LC: Can you count fractions?	LC: Can you find fractions of an amount?
Activity	**Starter:** Times Table Rockstars Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group. **Main:** Go to the following website **https://whiterosemaths.com/homelearning/year-3/** Select **week one** lesson 3 Tenths. Children watch the video. **Key questions to ask:** How many tenths make the whole?	**Starter:** Times Table Rockstars Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group. **Main:** Go to the following website **https://whiterosemaths.com/homelearning/year-3/** Select **week one** lesson 4 Counting in tenths. Children watch the video. **Key questions to ask:** Let's count in tenths. What comes next? Explain how you know.	**Starter:** Times Table Rockstars Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group. **Main:** Go to the following website **https://whiterosemaths.com/homelearning/year-3/** Select **week one** lesson 5 Tenths as decimals. Children watch the video. **Key questions to ask:** What is a tenth? How many ways can we write a tenth?	**Starter:** Times Table Rockstars Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group. **Main:** Go to the following website **https://whiterosemaths.com/homelearning/year-3/** Select **week two** lesson 1 Fractions on a number line. Children watch the video. **Key questions to ask:** How many equal parts has the number line been divided into?	**Starter:** Times Table Rockstars Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group. **Main:** Go to the following website **https://whiterosemaths.com/homelearning/year-3/** Select **week two** lesson 2 Fractions of a set of objects . Children watch the video. **Key questions to ask:** Which operation do we use to find a fraction of an amount?

	How many tenths are shaded? How many more tenths do I need to make a whole? When I am writing tenths, the _____ is always 10 How are fractions linked to division? **Independent Task:** Children to complete activity.	If I start at ___ tenths, what will be next? When we get to 1010what else can we say? What happens next? **Independent Task:** Children to complete activity.	What does equivalent mean? What is the same and what is different about decimals and fractions**?** **Independent Task:** Children to complete activity.	What does each interval represent? How are the bar model and the number line the same? How are they different? How do we know where to place 15on the number line? How do we label fractions larger than one. **Independent Task:** Children to complete activity.	How many equal groups do we need? Which part of the fraction tells us this? How does the bar model help us? **Independent Task:** Children to complete activity.

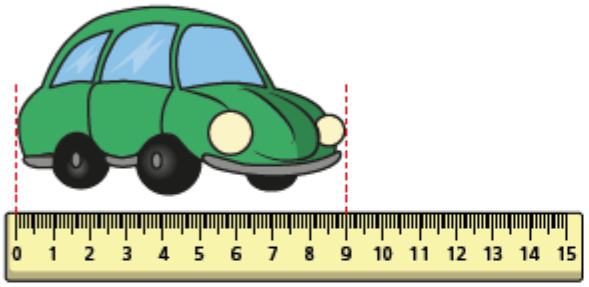
Supporting Resources for Maths

Monday 30th March

LC: Can you subtract lengths?

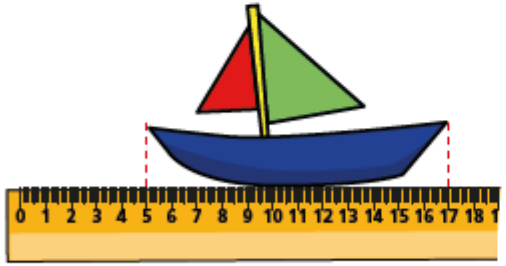
1 Complete the sentences to describe the lengths of the objects.

a)



The toy car is ☐ mm long.

b)



The toy boat is ☐ cm long.

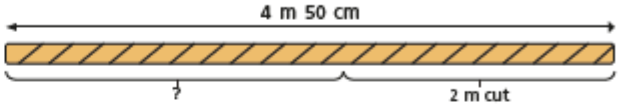
c) The toy boat is ☐ cm longer than the toy car.

The toy car is ☐ mm shorter than the toy boat.

2 Jack's rope is 4 m 50 cm long.

He uses 2 m to make a swing.

How long is his rope now?



Jack's rope is now ☐ m and ☐ cm long.

3 Tommy, Rosie and Annie each measure their height.

Annie	Rosie 135 cm	Tommy 1 m 15 cm

a) What is the difference in height between Tommy and Rosie?

☐

b) Annie is 30 mm shorter than Rosie. What is Annie's height?

☐

4 Nijah buys 5 m of ribbon.

She uses 78 cm of the ribbon to decorate a bag.

How much ribbon does she have left?

☐ m and ☐ cm

5 Complete the number sentences.

a) 2 m – 50 cm = ☐ cm

b) 85 mm – 2 cm = ☐ mm

c) 9 cm 5 mm – 20 mm = ☐ cm and ☐ mm

d) 100 mm – ☐ cm = 6 cm

6 Huan has a 10 m ball of string.

He uses 50 cm to replace his shoelace.

He uses some more of his string to make a bow for his arrows.

He has 7 m and 45 cm of string left.

How much string did Huan use to make his bow?

☐ m and ☐ cm

7 Fill in the empty boxes so that each row and column adds up to 2 m.

50 cm		50 cm
1 m 15 cm		
	85 cm	

Talk about what you did with a partner.

Are your answers the same?

Create your own problem like this using a different total.

Ask a partner to find the answer.

Tuesday 31st March 2020

Perimeter play

Find a tape measure or ruler.

(if you don't have one, you can make a piece of string marked in centimetres)

Look around the room, find 5 objects that you think have a similar perimeter.

You could choose a picture, a book, a cushion, a small table and a TV.

Measure the perimeter of each object – were you correct?

Can you find something with a perimeter of 60cm?

Select an item. Can you find something that is a different shape with double its perimeter?

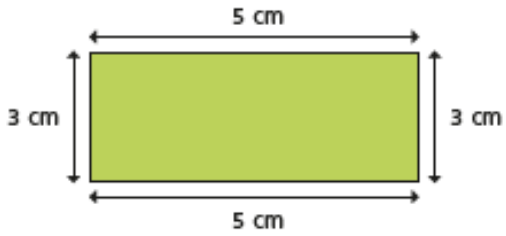
Can you estimate the perimeter of an object and then measure it. How close were you?

How could you measure the perimeter of a room in your home?

Wednesday 1st April

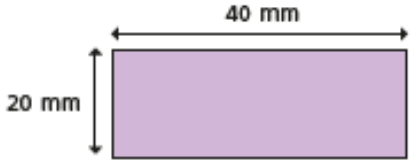
1 Work out the perimeter of each shape.

a)



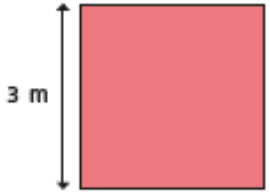
perimeter = ☐ cm

b)



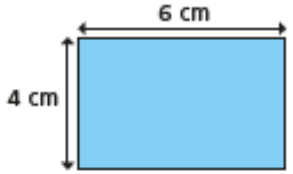
perimeter = ☐ mm

c)



perimeter = ☐ m

2 Rosie and Eva work out the perimeter of the shape below.



6 + 4 = 10, so the perimeter is 10 cm.

Rosie

The perimeter is 20 cm.

Eva

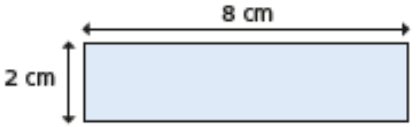
Who is correct? _____

How do you know?

_____

_____

3 Tick the shapes with a perimeter of 16 cm.



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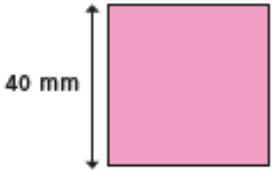

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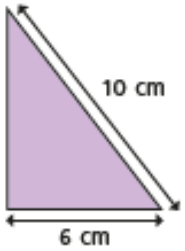

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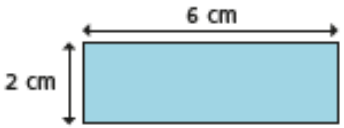

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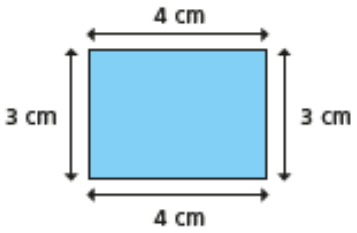
4 Which shape has the longest perimeter? Tick your answer.



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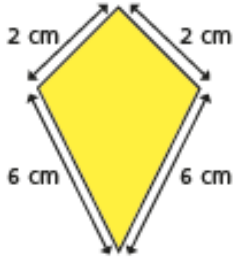

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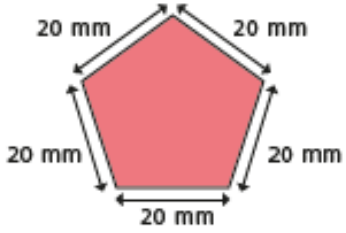
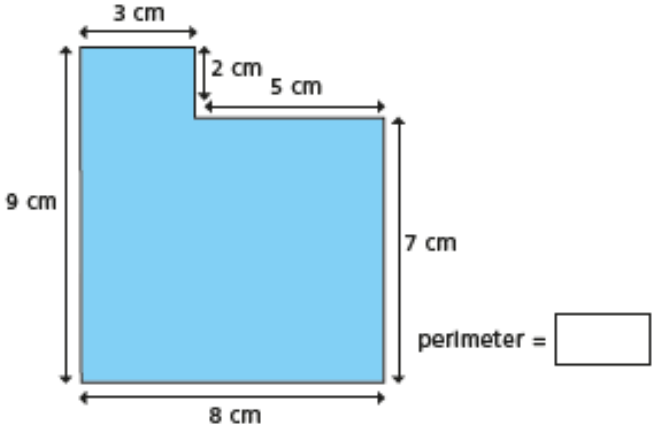


☐

Show all your workings.

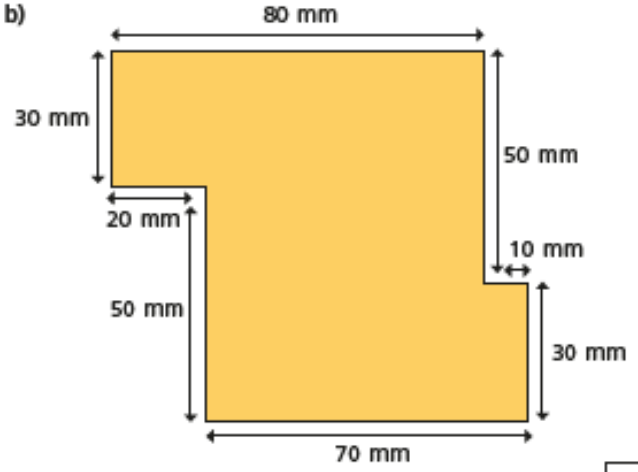
5 Work out the perimeter of these shapes.

a)



perimeter = ☐

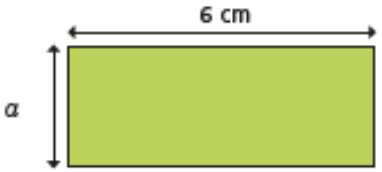
b)



perimeter = ☐

What do you notice?

6 This rectangle has a perimeter of 18 cm.
Work out the length of side a.



perimeter = 18 cm

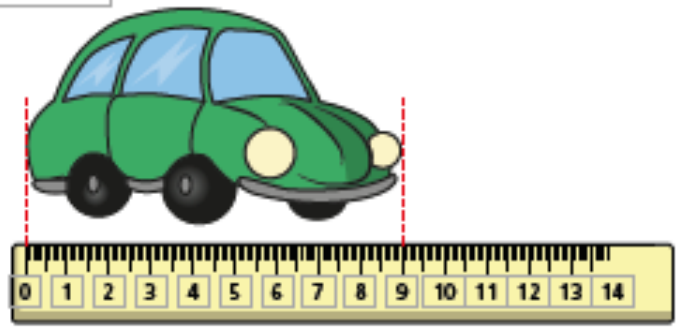
side a = ☐

Answers

Monday 30th March 2020

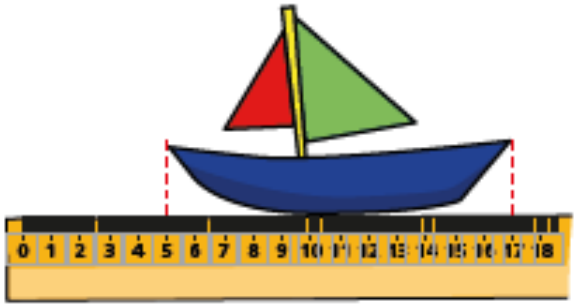
1 Complete the sentences to describe the lengths of the objects.

a)



The toy car is 90 mm long.

b)



The toy boat is 12 cm long.

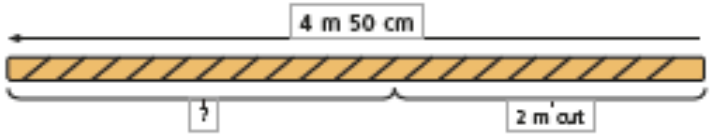
c) The toy boat is 3 cm longer than the toy car.

The toy car is 30 mm shorter than the toy boat.

2 Jack's rope is 4 m 50 cm long.

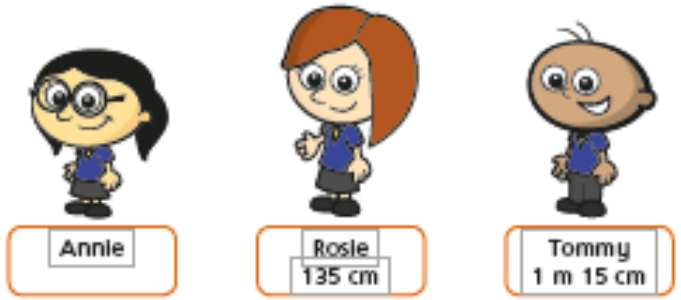
He uses 2 m to make a swing.

How long is his rope now?



Jack's rope is now 2 m and 50 cm long.

3 Tommy, Rosie and Annie each measure their height.



a) What is the difference in height between Tommy and Rosie?

20 cm

b) Annie is 30 mm shorter than Rosie. What is Annie's height?

132 cm

4 Nijah buys 5 m of ribbon.

She uses 78 cm of the ribbon to decorate a bag.

How much ribbon does she have left?

4 m and 22 cm

5 Complete the number sentences.

a) 2 m – 50 cm = 150 cm

b) 85 mm – 2 cm = 65 mm

c) 9 cm 5 mm – 20 mm = 7 cm and 5 mm

d) 100 mm – 4 cm = 6 cm

6 Huan has a 10 m ball of string.

He uses 50 cm to replace his shoelace.

He uses some more of his string to make a bow for his arrows.

He has 7 m and 45 cm of string left.

How much string did Huan use to make his bow?

2 m and 5 cm

7 Fill in the empty boxes so that each row and column adds up to 2 m.

50 cm	1m	50 cm
1 m 15 cm	15cm	70cm
35cm	85 cm	80cm

Talk about what you did with a partner.

Are your answers the same?

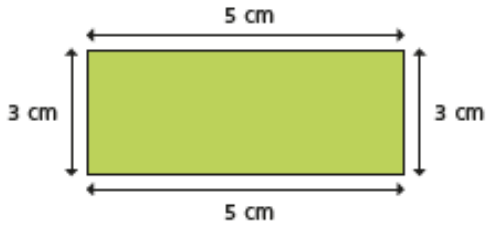
Create your own problem like this using a different total.

Ask a partner to find the answer.

Wednesday 1st April 2020

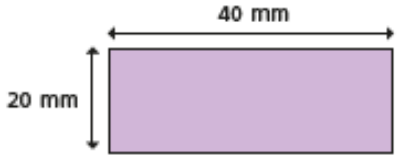
1 Work out the perimeter of each shape.

a)



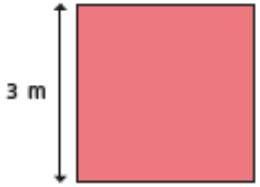
perimeter = 16 cm

b)



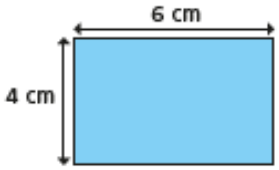
perimeter = 120 mm

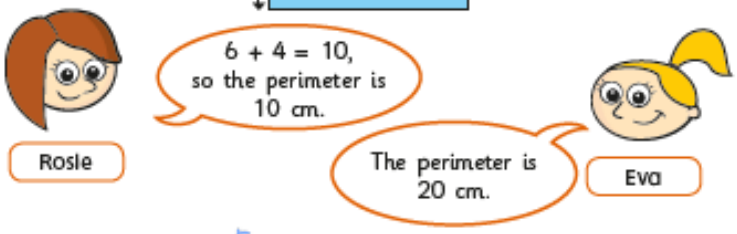
c)



perimeter = 12 m

2 Rosie and Eva work out the perimeter of the shape below.



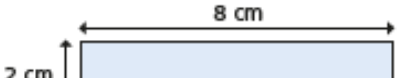


Who is correct? Eva

How do you know?

Rosie hasn't included the other two sides.

3 Tick the shapes with a perimeter of 16 cm.



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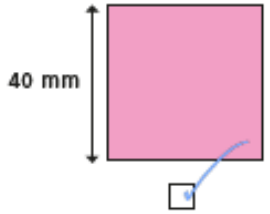

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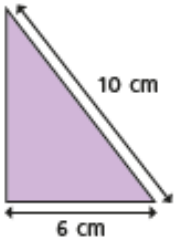

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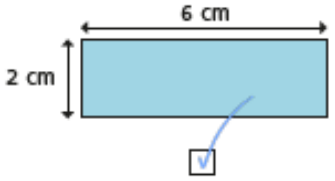

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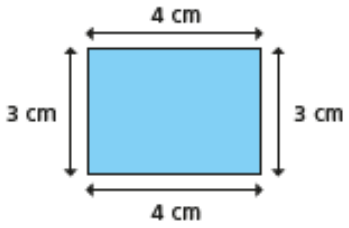
4 Which shape has the longest perimeter? Tick your answer.



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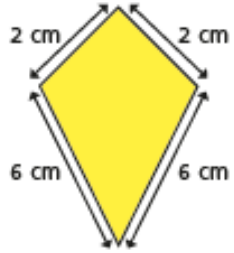

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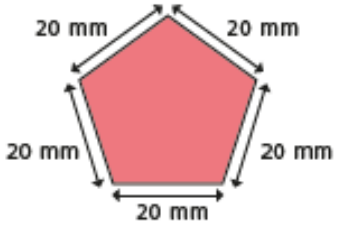

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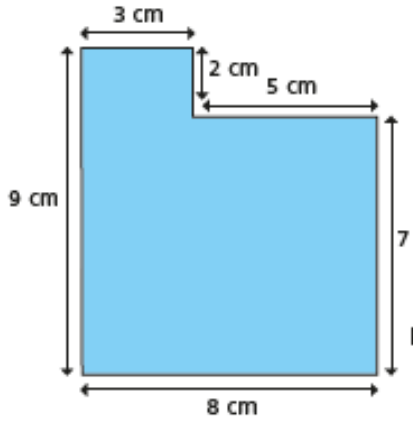
Show all your workings.

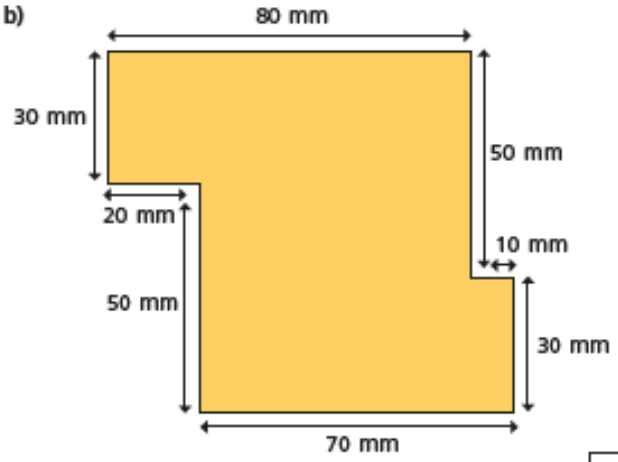
5 Work out the perimeter of these shapes.

a)



perimeter = 34cm

b)

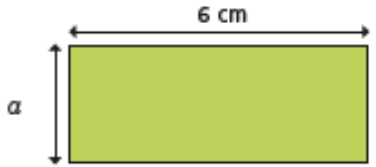


perimeter = 340mm

What do you notice?

6 This rectangle has a perimeter of 18 cm.

Work out the length of side a.



perimeter = 18 cm

side a = 3 cm

Where can I complete further work?

Twinkl – Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code **UKTWINKLHELPS** for access to worksheets, powerpoints and interactive games to support all areas of learning.

Classroom Secrets – Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

White Rose Maths – Free Maths home learning resources for all ages. Watch the videos and try the questions.

Primary Stars – Free Maths home learning packs for Year 1 and 2.

BBC Bitesize Primary – Free learning resources available for KS1 and KS2 across all subjects.

I See Maths – Free daily home maths lessons hosted by Gareth Metcalfe. Follow the link for videos, information and resources.

Top Marks – Free educational resources and games for English and Maths.

ICT Games – Free educational resources and games for English and Maths.