Year 3 Maths – week beginning 29.6.2020								
Theme	Perimeter (Lesson 1 of 5) Measuring Perimeter	Perimeter (Lesson 2 of 5) Measuring Perimeter	Perimeter (Lesson 3 of 5) Measuring Perimeter	Perimeter (Lesson 4 of 5) Calculating Perimeter	Perimeter (Lesson 5 of 5) Calculating Perimeter			
Factual fluency (to aid fluency)	Identify the angles (10 questions)	Perpendicular and parallel lines (10 questions)	Add three or more one-digit numbers (10 questions)	Times tables practice (10 questions)	Times tables practice (10 questions)			
Problem/ activity of the day Remember, just like in class, you can still show the depth of your knowledge LINK	(Lesson 1 resources below) MAKING LINKS: Last week, you learnt to describe 2D shapes, including describing and measuring the sides. Today, you will be learning to measure the total length around a shape. <u>THINK: (support below)</u> Ruby uses yarn to outline each shape. How can she find the length of yarn she needs? Our problem is on <u>textbook</u> page 242. Look at it now. <u>SEE: (model below)</u> Our problem and the solution is shown on page 242 of your textbook. Look at pages 244-245 of your textbook for further examples. Watch the lesson video here <u>DO:</u> Use what you have learnt today to solve: Part 1: Questions a-d on page 243 of your textbook and questions a- d on page 246 of your textbook. Check your answers before moving onto: Part 2: Worksheets 1 and 2 on pages 185-188 of your workbook.	(Lesson 2 resources below) MAKING LINKS: Yesterday, you learnt to measure the total length around a shape (the perimeter). Today, you will be continuing with this. IHINK: (support below) Four pupils use tiles to make a shape with a perimeter of 10cm. Who is correct? Our problem is on textbook page 247. Look at it now. SEE: (model below) Our problem and the solution is shown on pages 247-248 of your textbook. Watch the lesson video here DO: Use what you have learnt today to solve: Part 1: Questions 1 and 2 on page 249 of your textbook. Check your answers before moving onto: Part 2: Worksheet 3 on pages 189- 190 of your workbook.	(Lesson 3 resources below) MAKING LINKS: Yesterday, you continued learning to measure perimeter. Today, you will measure perimeter where the scale on the grid is different. THINK: (support below) Sam, Lulu and Ruby use different methods to measure the perimeter of a shape. What is wrong with their methods? Our problem is on textbook page 250. Look at it now. SEE: (model below) Our problem and the solution are shown on pages 250-251 of your textbook. Watch the lesson video here DO: Use what you have learnt today to solve: Part 1: Questions 1 and 2 on pages 252-253 of your textbook. Check your answers before moving onto: Part 2: Worksheet 4 on pages 191- 192 of your workbook.	(Lesson 4 resources below) <u>MAKING LINKS:</u> Yesterday, you learnt to measure perimeter where the scale on the grid was different. Today, you will learn to calculate perimeter in metres. <u>THINK: (support below)</u> Large tiles are used to form a rectangle. How far is the distance around the rectangle? Compare it to the perimeter of a tile. <u>Ur</u> problem is on <u>textbook</u> page 256. Look at it now. <u>SEE: (model below)</u> Our problem and the solution are shown on page 256 of your textbook. Watch the lesson video here <u>DO:</u> Use what you have learnt today to solve: Part 1: Questions a-g on page 257 of your textbook. Check your answers before moving onto: Part 2: Worksheet 6 on pages 195- 196 of your workbook.	(Lesson 5 resources below) MAKING LINKS: Yesterday, you learnt to calculate the perimeter of figures in metres. Today, you will be continuing with this. THINK: (support below) Find the perimeter of the square. 20m 20m 20m 20m Our problem is on textbook page 258. Look at it now. SEE: (model below) Our problem and the solution are shown on pages 258-259 of your textbook. Watch the lesson video here DO: Use what you have learnt today to solve: Part 1: Questions 1-4 on pages 260-261 of your textbook. Check your answers before moving onto: Part 2: Worksheet 7 on pages 197- 198 of your workbook.			
Methods, tips, clues & checks	Day 1 resources and answers below	Day 2 resources and answers below	Day 3 resources and answers below	Day 4 resources and answers below	Day 5 resources and answers below			

See below for resources to support you to THINK-SEE-DO



DAY 1 RESOURCES:

THINK:	SEE:				
Look at page 242 of your textbook now. Be sure to read all of	Check the solution on page 242 of your	The images in the			
the information as many times as you need to understand.	textbook.	textbook are not to			
	Look on pages 244-245 of your textbook	scale.			
Puby uses varn to outline each shape. How can she find the	for further examples	Use the measurements			
longth of vorn she needs?	Watch the lesson video here	on the grid to help you			
	Walch the lesson video here.	measure the perimeter.			
Use weel string, sheelages or semething similar ground your	You can use string, week or a sheek lace	·			
bause and a ruler to find out	to outline ageb shape. Then you age magging the length of string				
	To outline each shape. Then you can measure the length of string				
	you needed to outline the shape. Remember to line up the string				
Part 1:	The total length ground a figure is called t	he perimeter of the figure			
Complete questions a-d on page 243 of your textbook and					
complete questions a_{-d} on page 246 of your textbook and		The total length ground			
		the rectangle is 8cm			
Chaole your approvate halowe		The nerimeter of the			
		rectangle is 8cm			
	1cm	The total length ground			
In your workbook, complete:	↔	the square is 8cm.			
Questions I and 2 of worksheet I, pages 185-186	lcm	The perimeter of the			
Questions 1 and 2 of worksheet 2, pages 187-188		square is 8cm.			
Top tips:					
Draw arrows along the sides of each shape to help you count		The perimeter of the red			
like in the figures on pages 242 and 244-245 of your textbook.		figure is 10cm.			
Always start in the same place to make sure you don't					
accidentally count the same side twice!	* 1cm	The perimeter of the			
		yellow figure is 10cm.			
	1cm				
	Count the squares along the sides of the shape to find the perimeter				
	Follow the arrows to help you				
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DAY 2 RESOURCES:

THINK:

Look at page 247 of your textbook. Be sure to read all of the information as many times as you need to understand.

Four pupils use tiles to make a shape with a perimeter of 10cm. Who is correct?

<u>DO:</u>

Remember to use a ruler when drawing shapes and figures.

<u>Part 1:</u>

Questions 1 and 2 on page 249 of your textbook.

Check your answers below.

<u>Part 2:</u>

Worksheet 3 on pages 189-190 of your workbook.

Remember:

Shapes with the same perimeter do not have to use the same number of tiles.

Check the perimeter carefully after you have drawn each shape by counting the squares along the sides of your shape.



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DAY 3 RESOURCES:





DAY 4 RESOURCES:





DAY 5 RESOURCES:

THINK: Look at page 258 of your textbook. Be sure to read all of the information as many times as you need to understand.Image 258 of your textbook. Be image 2000 and all of the information as to a second and all of the information as many times as you need to understand.Find the perimeter of the square.Image 2000 and all of the square.	SEE: Check the solution on pages 258-259 of your textbook. Watch the lesson video here. Method 1: To find the perimeter (the length around the figure), I could add the length of each side together. 20m
 <u>Po:</u> <u>Part 1:</u> Questions 1-4 on pages 260-261 of your textbook. Check your answers below. <u>Part 2:</u> Worksheet 7 on pages 197-198 of your workbook. <u>Remember:</u> When adding larger numbers together, you might want to use the column method to help you. If the shape is a rectangle or a square, you can still add the length of each side together to find the perimeter or you can try method 2, or even method 3 if it is a square. 	Perimeter = 20m + 20m + 20m + 20m = 80m Method 2: To find the perimeter, I could calculate the length of two sides, and then multiply it by 2 because the other two sides are the same length. 20m + 20m = 40m Perimeter = 2 x 40m = 80m Method 3: Because all four sides of a square are equal, all I need to know to find the perimeter of a square is the length of one side. There are four sides and each side is 20m. Perimeter = 4 x 20m = 80m



ANSWERS – part 1:



<u>Day 1</u>	<u>Day 2</u>	<u>Day 3</u>	<u>Day 4</u>	Day 5
Page 243: a. 4cm b. 8cm c. 14cm d. 16cm Page 246: a. 16cm b. 14cm c. 18cm d. 18cm	Q1. Answers may vary but could look like this: Q2. Answers may vary but could look like this:	Q1. a) 8cm, b) 12cm, c) 16cm, d) 28cm Q2. Answers may vary but could look like this:	Q1. b) 12m, b) 22m, c) 20m, d) 20m, e) Figure C has the same perimeter as figure D, f) figure A, g) figure B	Q1. 74m The perimeter of the field is 74m. Q2. 36m $4 \times 9 = 36m$ The perimeter of the vegetable plot is 36m. Q3. 15m + 12m + 10m + 8m = 45m The perimeter of the flower bed is 45m. Q4. a) 31m, b) 14m, c) 34m, d) 24m

ANSWERS – part 2 and deepening:



