Year 5 maths – Summer 2 Week beginning: 8.6.20									
Theme	Lesson 1 of 7 Area and Perimeter Finding the Perimeter	Lesson 2 of 7 Area and Perimeter Finding the Perimeter	<u>Lesson 3 of 7</u> <u>Area and Perimeter</u> Using Scale Diagrams to find the Perimeter	Lesson 4 of 7 Area and Perimeter Measuring the Area	Lesson 5 of 7 Area and Perimeter Measuring the Area				
Factual fluency (to aid fluency)	Practise perimeter <u>here</u>	Practise your 12 times table <u>here</u>	Find the missing side lengths <u>here</u>	Choose figures with a given area <u>here</u>	Practise area <u>here</u>				
Problem/ activity of the day Remember, just like in class, you can still show the depth of your knowledge LINK	(Lesson 1 resources below) <u>MAKING LINKS:</u> In year four you learnt about finding the perimeter and area of shapes using units and square units. <u>THINK: (support below)</u> Can you help me with this problem? Arrange the triangle and the rectangle to make a figure. Find the perimeter of the figure. Our problem is in the textbook on <u>5cm</u> <u>5cm</u> <u>4cm</u> <u>3cm</u> <u>3cm</u> <u>3cm</u> <u>3cm</u> <u>5cm</u> <u>5cm</u> <u>4cm</u> <u>3cm</u> <u>5cm</u> <u>5cm</u> <u>4cm</u> <u>3cm</u> <u>5cm</u> <u>7cm</u> <u>5cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u> <u>7cm</u>	<ul> <li>(Lesson 2 resources below) <u>MAKING LINKS:</u> Yesterday you found the perimeter of different shapes.</li> <li><b>THINK: (support below)</b> Can you help me with this problem?</li> <li>Antre, Ravi, Ranah and Ruly have 12 paper strips; each strip is 1m long. They think it is possible to make polygons with the same perimeter but with different shapes. Is this possible?</li> <li>Our problem is in the textbook on page 201. Look at it now.</li> <li><b>SEE: (model below)</b> Check the solution on pages 201- 203 of your textbook. Watch the video here.</li> <li><b>DO:</b> PART 1: Do questions 1a, b and d from page 204 of the textbook and questions 2a, c and d on page 205 of the textbook. Check your answers below before moving on to: PART 2: Now complete question 1 of page 135 in the workbook and questions 2, 3 and 4 on page 136 of the workbook. Don't forget to include the unit of measurement in your answers!</li> </ul>	(Lesson 3 resources below) <u>MAKING LINKS:</u> Yesterday you found the perimeter of different shapes. <u>THINK: (support below)</u> Can you help me with this problem? <u>Usedometric states</u> Mathematical and the perimeter of the solution were a floorplin of a row. Inter the a square to represent 1 metre. Is it possible to find the perimeter of the room? Our problem is in the textbook on page 206. Look at it now. <u>SEE: (model below)</u> Check the solution on page 207 of your textbook. Watch the video here. <u>DO:</u> PART 1: Do questions 1 a and 2 on page 208 of the textbook. Check your answers below before moving on to: PART 2: Now complete question 1 on page 137 of the workbook and question 2 on page 138 of the workbook.	(Lesson 4 resources below) <u>MAKING LINKS:</u> Yesterday you found the perimeter of different shapes. <u>THINK: (support below)</u> Can you help me with this problem? <u>1 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4</u>	(Lesson 5 resources below) <u>MAKING LINKS</u> Yesterday you found the area of different shapes. <u>THINK: (support below)</u> Can you help me with this problem? Can you help me with this problem? This of different ways to find the area of this figure. Our problem is in the textbook on page 216. Look at it now. <u>SEE: (model below)</u> Check the solution on pages 216- 218 of your textbook. <u>DO:</u> PART 1: Do questions 1-4 on page 219 of the textbook Check your answers below before moving on to: PART 2: Now complete question 1 on page 143 of the workbook and question 2 from page 144 of the workbook.				
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:





## DAY 2 RESOURCES:





## DAY 3 RESOURCES:





## DAY 4 RESOURCES:

THINK: Look at page 212 in your textbook.	<b><u>SEE:</u></b> Check the solution on pages 213-214 of your textbook.		
Be sure to read the information as many times as you need to be able to understand how to solve the problem.	When I count the squares, I notice a pattern. If I multiply the length of one side by itself e.g. $2 \times 2 = 4$ , I get the total number of small squares.		
	The last square was made up of 36 little squares (6x6=36) so following this pattern the next square will be 7x7 = 49, so it will be made of <b>49</b> <b>little squares or have an area of 49cm<sup>2</sup></b> if each small square represents 1cm <sup>2</sup> .		
How many are needed to create the next square?	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
DO: PART 1: Do questions 1 and 2 on page 215 of the textbook. Check your answers below. PART 2: Now complete question 1 or page 141 of the workbook and question 2 on page 142 of the workbook.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
To work out the <b>area</b> , <b>count</b> and <b>label</b> the <b>number of square centimetres</b> in a <b>row</b> (it goes across, i.e. from left to right).	You can also look at the relationship between each square and the next by checking how much bigger the next square is. You can see this in black above.		
Use <b>repeated addition</b> to work out the <b>area</b> or <b>multiply</b> the <b>number of square</b> <b>centimetres in a row by the number of rows</b> . Your <b>answers</b> will be in <b>cm</b> <sup>2</sup> .	Following the pattern, I would calculate 36+13 to find how many squares are needed, which again gives me 49 squares or 49cm <sup>2</sup> .		



## DAY 5 RESOURCES:





# ANSWERS - Part 1 and 2:

<u>Day 1</u>	<u>Day 2</u>	<u>Day 3</u>	<u>Day 4</u>	<u>Day 5</u>
<u>Textbook:</u> a) 18cm b) 12cm c) 24cm <u>Workbook:</u> 1a) 12cm b)12cm c) 18cm 2a) 20cm b) 24cm c) 24cm	<u>Textbook:</u> 1a) 30m b) 34cm c) 40cm d) 58cm 2a) 4.8m b) 3.6m c)6m d)9.6m e) 7.2m <u>Workbook:</u> 1a) 16m b) 24m c) 38m d) 51m 2a) 30m b) 50m 3. 24m 4. 84m	<u>Textbook:</u> 1a) 22m 2a) 7m b) 8m c) 11m <u>Workbook:</u> 1a)22m b)22m c) 20m d) A 2a) 34m b) 22m c) 24m d) 84m	Textbook:         1a) 64cm²         b) 81cm²         2. 100 cm²         Workbook:         1a) 9cm²         b) 25cm²         c) 49cm²         2a) 36cm²         b)100cm²	Textbook:         1.       16cm²         2.       22cm²         3.       54cm²         4.       26cm²         Workbook:       1a)         1a)       18cm²         b)       22cm²         c)       34cm²         2a)       40cm²         b)38cm²       c)         c)       53cm²

