

If we consider the red squares, as squares with an area of 0.5 cm <sup>2</sup> , about how many cm <sup>2</sup> is the area of a quarter of this circle?		
Green squares $69 \times 1 = 69$ (cm <sup>2</sup> ) Red squares $17 \times 0.5 = 8.5$ (cm <sup>2</sup> )	Red squares do not overlap with the circle completely. To estimate the area, we assume the red squares have $0.5 \text{ cm}^2$	
The area of a quarter of the circle is about 77.5 (cm <sup>2</sup> )		
3 About how many cm <sup>2</sup> is the area of the entire circle?		
$\frac{\text{Math}}{\text{sentence}} (77.5) \times 4 = 3   0$	Answer 310 cm <sup>2</sup>	

The following diagram shows a quarter of the circle with a radius of |2 cm.

Answer the following questions. Red squares pass through the circumference of the circle and blue squares overlap the circle.



How many blue and red squares are there?

Patterned squares

1

1

Coloured squares



2 If we consider the red squares as squares with an area of 0.5 cm<sup>2</sup>, about how many cm<sup>2</sup> is the area of a quarter of this circle?



3 About how many cm<sup>2</sup> is the area of the entire circle? <u>Math</u>



Answer















2 The illustration below shows an island. Find the approximate area by considering it as a parallelogram.



When you find the approximate area of the lake. If the actual area is  $| | km^2$ , which approximate area is closer to the actual one?

2 km	Considering it as a circle	
	Math	
3 km	sentence	
2 km	Answer	
Considering it as a trapezoid		
Math	Answer	
sentence	<u></u>	
Considering it as a is closer to the actual one.		



Thinking about how to find the area of a circle.

As we divide the circle into small sections of equal size, it approaches the shape of a rectangle.



<b>3</b> Find the area of the circles with the	following length.	
1with a radius of 7 cm2	with a diameter of 10 cm	
<u>Math</u> sentence	<u>Math</u> <u>sentence</u>	
Answer	Answer	
Find the area of the coloured parts.		
A B 3 cm 5 cm		
Figure A Math		
<u>sentence</u>		
Figure B		
Area of the larger circle <u>Math</u> sentence	Area of the smaller circle	
Area of figure A	Answer	
<b>5</b> The illustration below shows a lake. Answer the thefollowing questions.		
What kind of shape can you use it to	o find the area?	
2 Find the approximate area.	57	
<u>Math</u> sentence		
Answer		

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