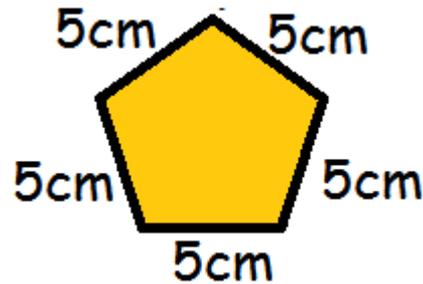
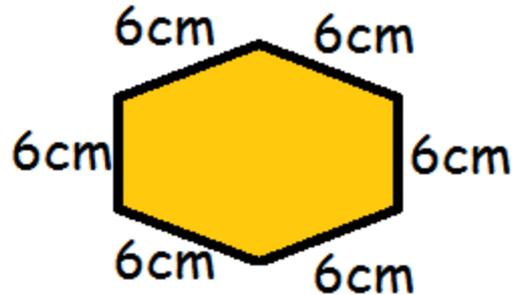
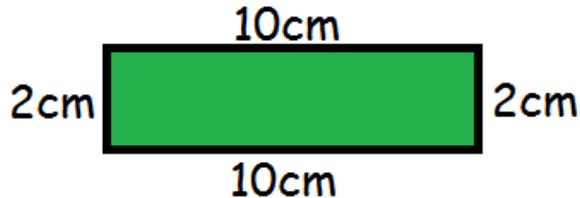
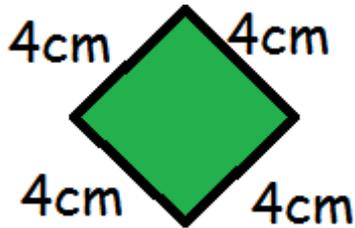
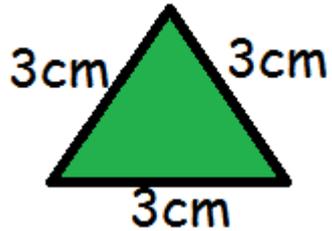
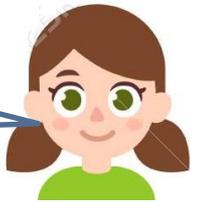


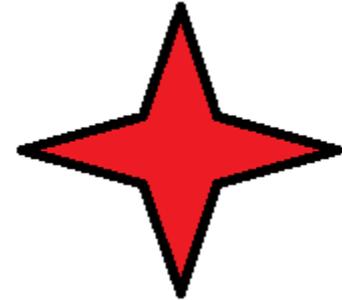
# RECALL – MEASURING PERIMETERS (CM)

Work out the perimeter of these shapes by adding all lengths.

Hopefully, you should find this easy today!



All sides are 6cm each.



3 BEFORE ME



A **heptagon** has a perimeter of 35cm.  
How long is each side?



# LO: I CAN FIND OUT LENGTHS TO CALCULATE THE PERIMETER.

Page

## Success Criteria

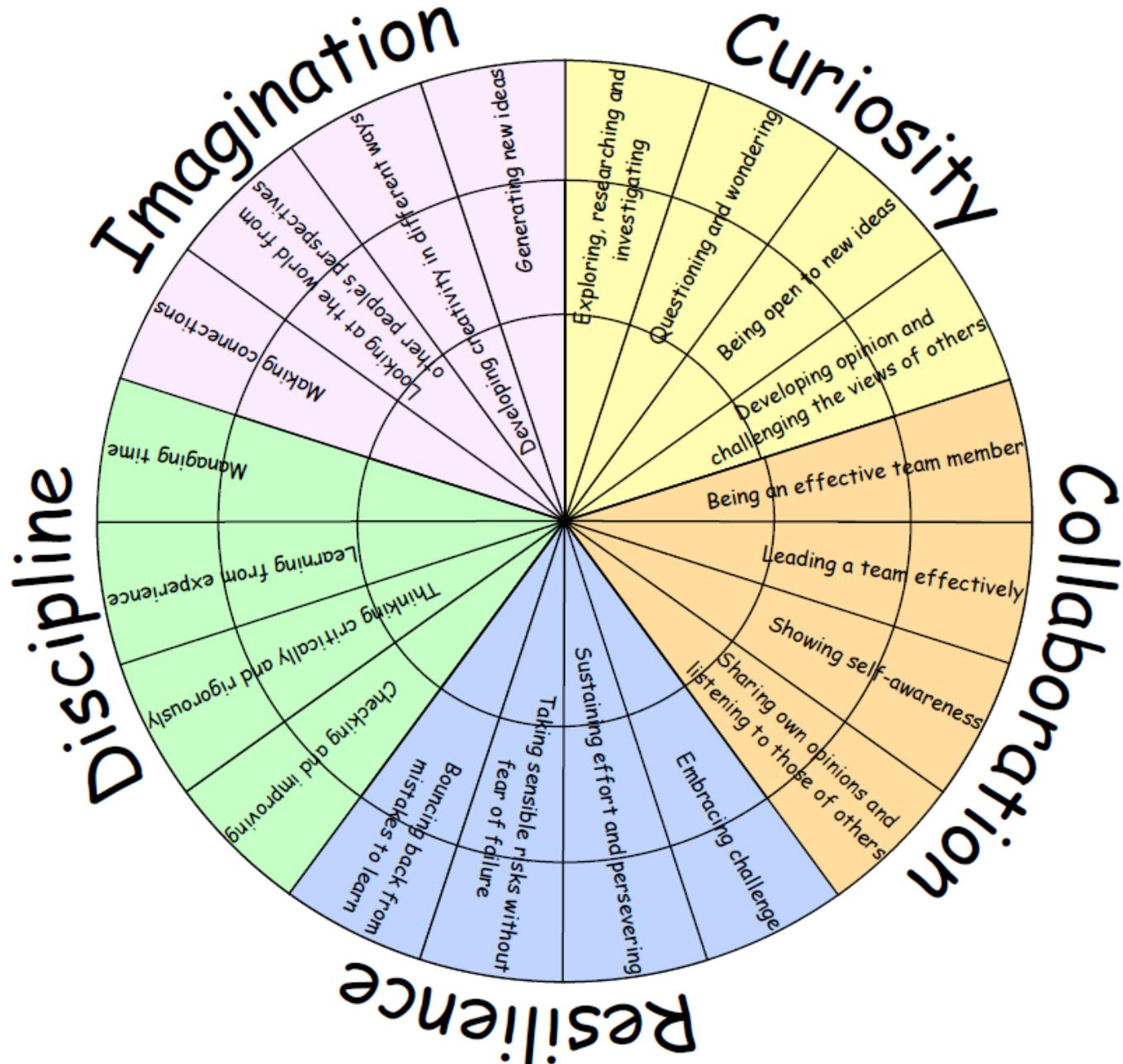
**Some will even** calculate the lengths of sides (by facts given) to solve the perimeter.

**Some will** use this to solve the perimeter.

**Most will** know opposites of squares and rectangles are the same length.

**All will** add simple measurements (with support).

# LEARNING HABITS?



# GUIDED PRACTICE

Here is a chocolate bar.



When I open the wrapper, this is what I see.



The lengths of the sides have not been given, but I need to work out the perimeter.

If each piece is 1cm by 1cm, what is the perimeter?

Each piece of chocolate is 1cm wide.

Across the top of the bar, there are 8 pieces.  
8 lots of 1 = 8cm. That is the length.



Down the side, there's 3 pieces. 3 lots of 1cm = 3cm.

Now, I know two of the side lengths.

The one opposite 3cm will be the same.

The one opposite 8cm will be the same.

The perimeter is  $8\text{cm} + 8\text{cm} + 3\text{cm} + 3\text{cm} = 22\text{cm}$

Perimeter = measure ALL the lengths and add them together.

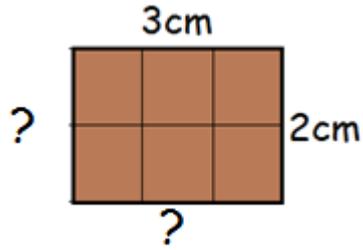
# INTELLIGENT PRACTICE



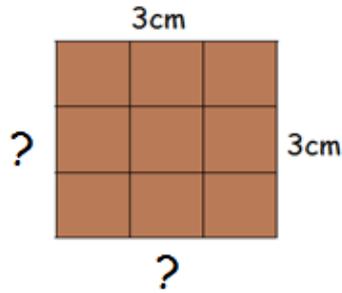
Each piece of chocolate has 1cm sides.

Solve the missing lengths and work out perimeters.

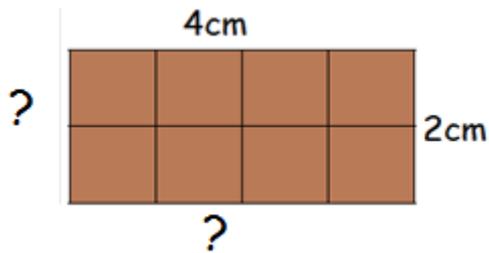
Two sides given



The perimeter is \_\_\_\_ cm.

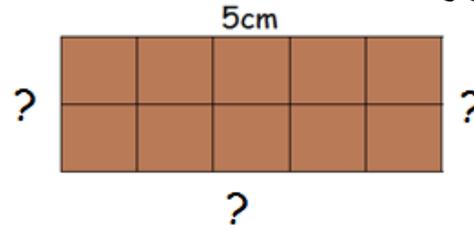


The perimeter is \_\_\_\_ cm.

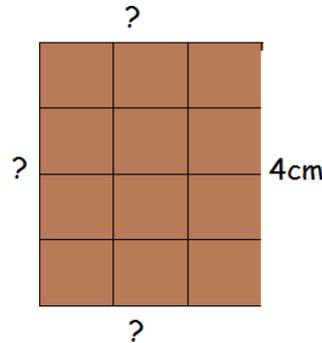


The perimeter is \_\_\_\_ cm.

One side given

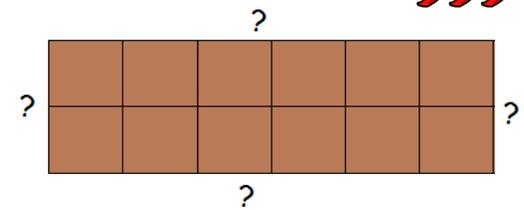


The perimeter is \_\_\_\_ cm.

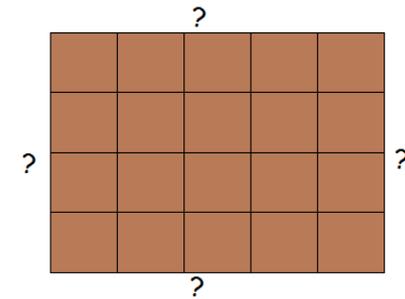


The perimeter is \_\_\_\_ cm.

No sides given



The perimeter is \_\_\_\_ cm.



The perimeter is \_\_\_\_ cm.

Write an explanation to solve how you solved the perimeter of the chocolate bars in chilli 3.



*First, I ..... Next, I....*

*I knew that the opposite would be \_\_\_\_ cm.. The length is,...*

*Then I added....*

# DIVE DEEPER 1

1 Here are two mobile phones. Opposites are the same length. Fill in the missing lengths.

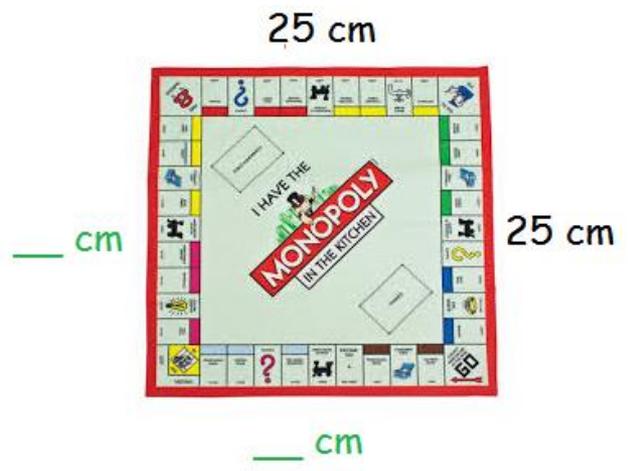


2 Here is a square Scrabble board. Fill in the missing lengths.



The perimeter is  cm .

3 Here is a Monopoly board. Fill in the missing lengths.



The perimeter is  cm .

4 Here is a DVD and a 3DS game. Fill in the lengths.



The perimeter of the DVD is \_\_\_\_\_ cm.

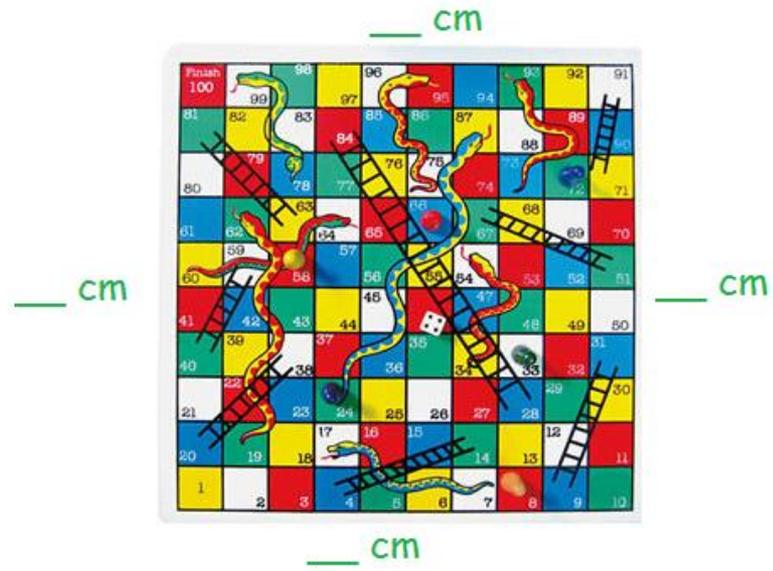
The perimeter of the 3DS game is \_\_\_\_\_ cm.

The \_\_\_\_\_ has the greatest perimeter.

# DIVE DEEPER 2

1 Here is a large Snakes and Ladders board.  
 Each little square is 4 cm wide.  
 There are 10 squares going across  
 There are 10 squares going down.

Write in the lengths.

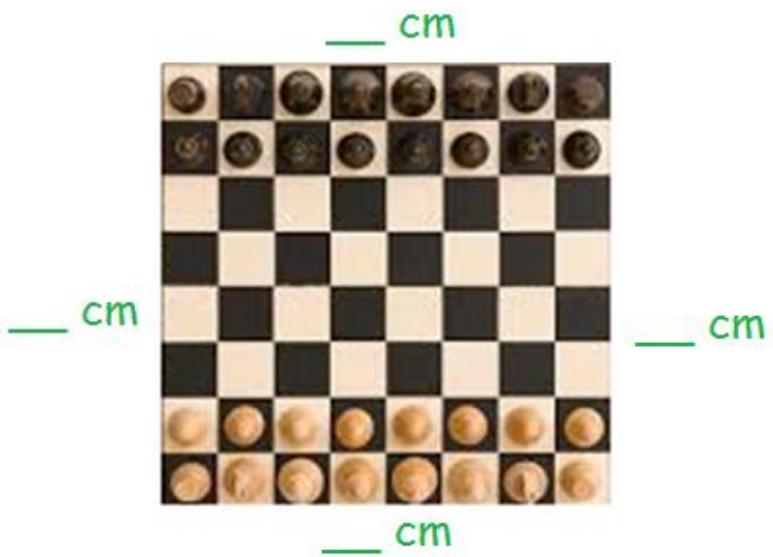


What is the perimeter?

Explain how you worked it out.  
 .....  
 .....  
 .....  
 .....

2 Here is a chess board.  
 Each little square is 6 cm wide.  
 There are 8 squares going across.  
 There are 8 squares going down.

Write in the lengths.



What is the perimeter?

Explain how you worked it out.  
 .....  
 .....  
 .....  
 .....