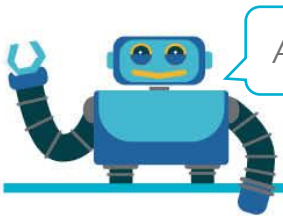

Home Learning Pack

Year 4

Week 4
11/05/2020

Take a picture while you work through this booklet and tweet us **@ClassroomSecLtd** using the hashtags **#CSKids** and **#HomeLearningHero** to be in with a chance of winning a month's subscription to **classroomsecrets.co.uk**.

Monday – Correspondence Problems

1. Mr Hill has five different-coloured stickers that he uses in class. Each colour comes in a different design. Mr Hill thinks he can make 11 combinations.

Sticker colour	Sticker design
orange, yellow, silver, purple, green	smiley face books animals star flag cake

5 + 6 = 11 combinations

Correct the mistake(s) above to show how many combinations he can use in total.

2. There are three shops each with three shelves of different food. Find the odd one out in the total number of different combinations of food at each stall.

A.

B.

C.

3. Rupert has 15 Prodemon cards which come in 3 varieties – normal, shiny and legendary. He has to pick one from each category for a Prodemon battle.

Rupert

> All of my cards are different. I have 6 normal cards, 4 shiny cards and 5 legendary cards. I can take one of more than 100 combinations into battle.

Is Rupert correct? Explain your answer.

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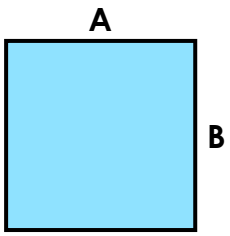
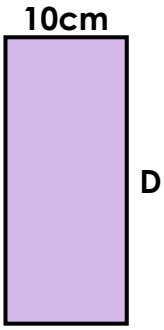
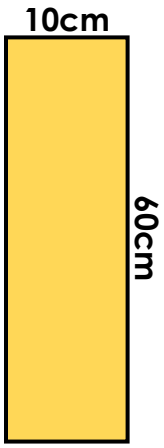
Tuesday – Perimeter of a Rectangle

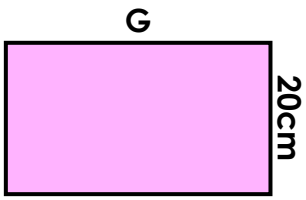
1. Hannah has a square and 3 other rectangles. She has written the perimeter of one rectangle underneath it.

Some information is missing but the total perimeter of all 4 shapes is 420cm.









Perimeter = C **Perimeter = E** **Perimeter = F** **Perimeter = 100cm**

not to scale

Using the information given, investigate what the missing values and the perimeters of each shape could be.

Letter	Missing Value
A	
B	
C	
D	
E	
F	
G	

Letter	Missing Value
A	
B	
C	
D	
E	
F	
G	

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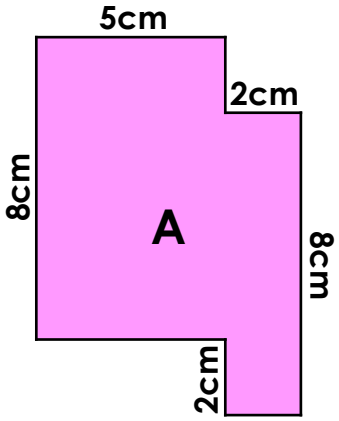
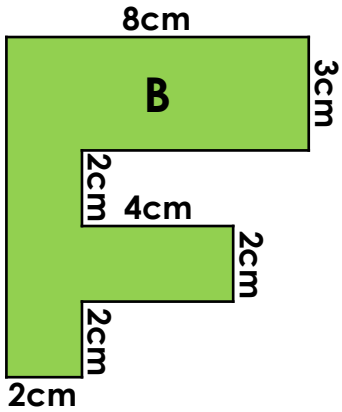
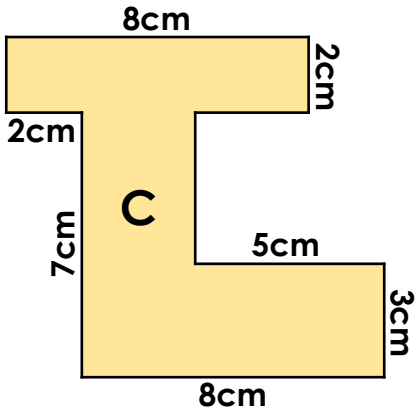
Wednesday – Perimeter of Rectilinear Shapes

1. Match the shape to its perimeter.



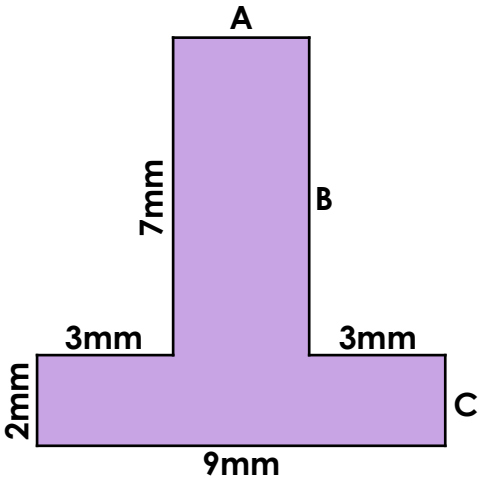




44cm	34cm	42cm

Not to scale

2. Put an 'X' next to the statements which are correct.



A. The perimeter is 40mm. ☐

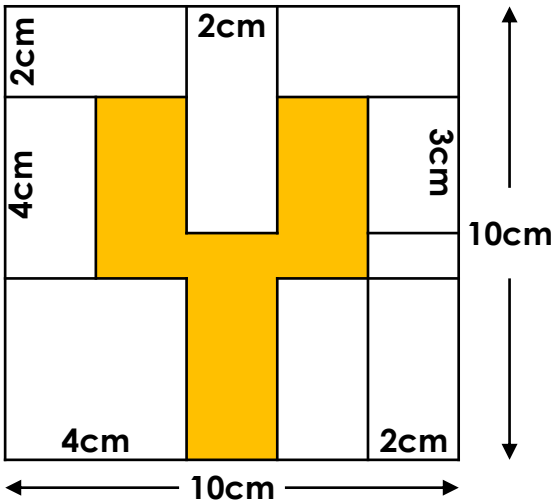
B. The length of side A is 3mm. ☐

C. Side A is half the length of side B. ☐

D. The total of sides A and C is 5mm. ☐

Not to scale

3. Use the measurements of the rectangles to calculate the perimeter of the shape below.



Perimeter = _____ cm

Not to scale

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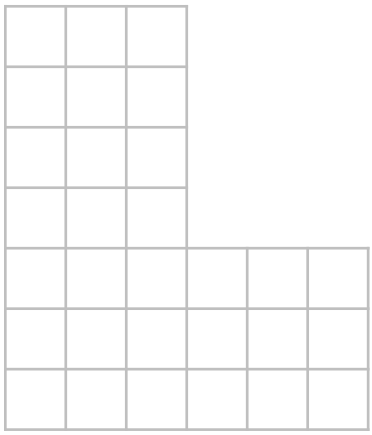
Thursday – Counting Squares

1. Brad the Builder is designing a driveway.

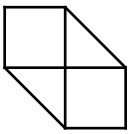
The customer has decided that they want to use a combination of bricks A, B and C to fill their drive.

Brad knows that the drive has a total area of 30 squares and is a rectilinear shape.

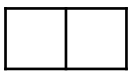
I need to make sure the combination of bricks that I choose covers the whole area of the drive!



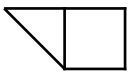
Brick A



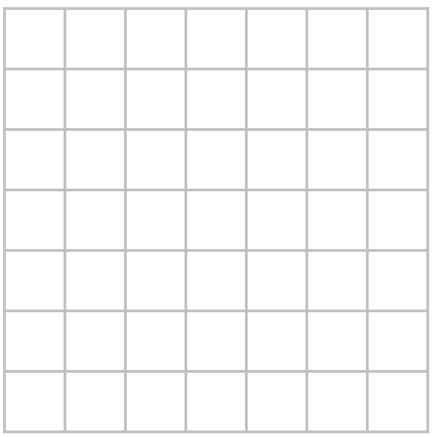
Brick B

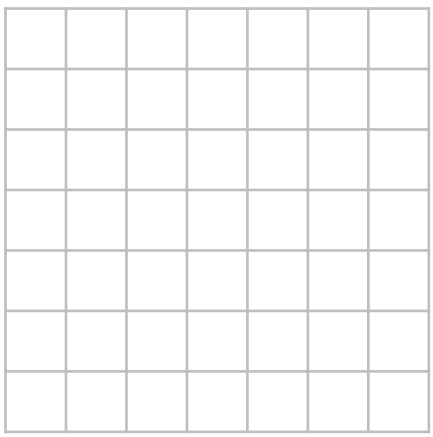


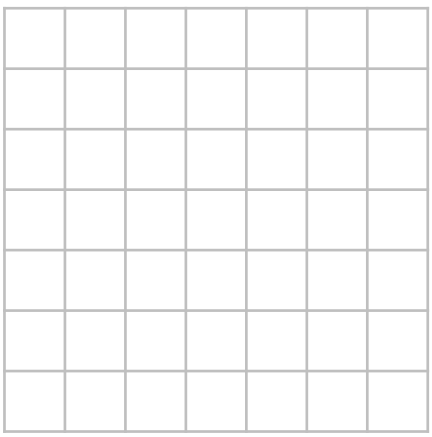
Brick C

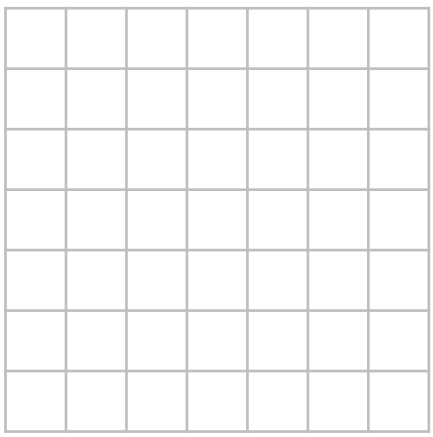


Investigate the different combinations of bricks A, B and C that can be used to cover the driveway. You can rotate the bricks to fit in the shape.









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