YEAR 5 WEEKLY LEARNING MAT 7

MATHS ZONE

Keep your times table knowledge in check! Collect points on Maths shed
https://www.mathshed.com/en-gb

How quickly can you complete a loop for each of your times tables?
Can you do it with the corresponding division facts?
https://www.topmarks.co.uk/Flash.aspx?f=loopcardsv6

Whiterose maths lessons
Summer Term - Week 3 (w/c 4th May)
Lesson 4 -Calculate perimeter

Term - Week 4 (w/c 11th May)
Lesson 1 – Area of rectangles

Worksheets attached below the mat

Can you produce a poster explaining what area and perimeter are?
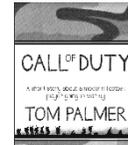
Perimeter/area problem
A farmer wants a pen for his pigs. The pen needs to have an area of 16m² (16 squares on squared paper) But he needs to put a fence round it, each 1m fence cost £10. What's the cheapest pen he can make?

The farmer also needs a pen for his sheep he only has 12m of fence. What's the biggest area field he could give them?

ENGLISH ZONE

Why don't you read one of these books from Tom Palmer?
https://issuu.com/barringtonstoke/docs/call_of_duty/1?e=2213880/7442461

CALL OF DUTY
A short story about a mascot horse plaything in a stable
TOM PALMER

https://www.tompalmer.co.uk/wp-content/uploads/2019/06/Rocky-of-the-Rovers-bind-up.pdf

ROCKY OF THE ROVERS FRANCE 2019

Select an animal that lives in South America to research. San Diego Zoo has a great website you could use as a starting point. Do some research online and make some notes about your chosen creature. Think about dividing your notes into sections, such as appearance, habitat, diet, country information. Write an information text about your animal. Decide what the purpose of this text is: a zoo guide, an online information page for Y6, a fascinating facts section of a book.

Think about:
What sections you need to have and what the sub-headings will be
How you are going to set it out – paragraphs of text, diagrams, headings, font?
How you are going to make your information interesting to read?

Silly sentences – What crazy sentences can you make following the grammar rules.

Start with subject verb
The cat danced.
Add 2 adjectives to make an expanded noun phrase
The ginger, vicious cat danced.
Add an adverb
The ginger, vicious cat danced gracefully.
Add a prepositional phrase of time or place.
The ginger, vicious cat danced gracefully on the kitchen table.
Extending using a conjunction
The ginger, vicious cat danced gracefully on the kitchen table although it knew it might fall off.

Can you rearrange the sentence? How does it change the effect on the reader?
Could you illustrate your sentences?

Try starting with these
The pig jumped.
The hamster gobbled.

TOPIC ZONE

Try the BBC Y5 daily lessons
https://www.bbc.co.uk/bitesize/dailylessons

Bitesize

Try Oak National Academy lessons
https://www.thenational.academy/online-classroom

https://quickdraw.withgoogle.com/

How quick can you draw things so a computer can recognise what they are?

Draw lollipop
In under 20 seconds
Got It!

If you could redesign your garden to be the ultimate fun zone. What would it have in it? Would you provide different sections for your parents, pets to enjoy?
Can you:
Draw a plan of the garden labelling the different sections?
Make it using Lego?

Research and draw all the flags of the countries in South America.
Could you then make a matching pairs game to help you learn the name of some of them?

PERU COLOMBIA GUYANA PARAGUAY URUGUAY
ARGENTINA CHILE ECUADOR BOLIVIA VENEZUELA
SURINAM TRINIDAD AND TOBAGO BRAZIL

http://touchpianist.com/
Can you play the piano like a professional?
All you need to do is focus on the rhythm.

Could you create a tune using objects round the house and garden to make different sounds?
Think about the rhythm you hit them in?
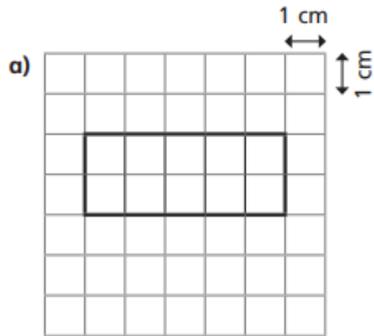Could you write a music score so others could play your tune?

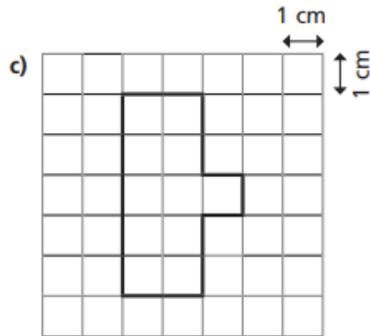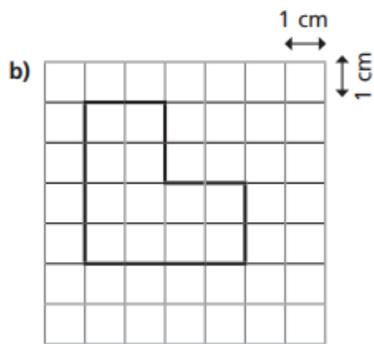Can you share your learning on your class page

twitter

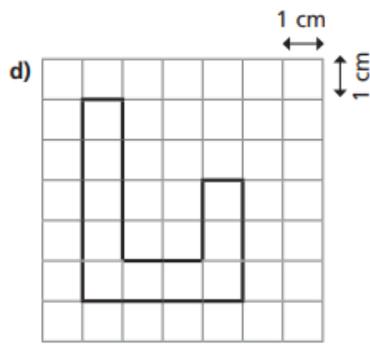Keep your eye on the school blog for more fun activities to keep you busy!

Calculate perimeter

1 Calculate the perimeter of each shape.
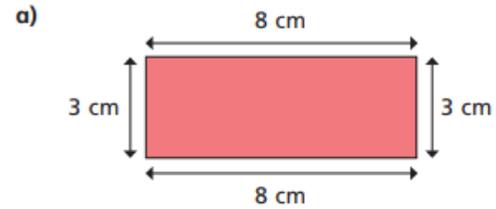
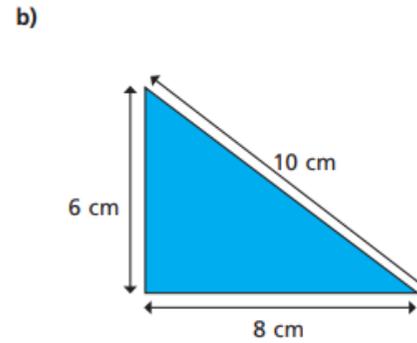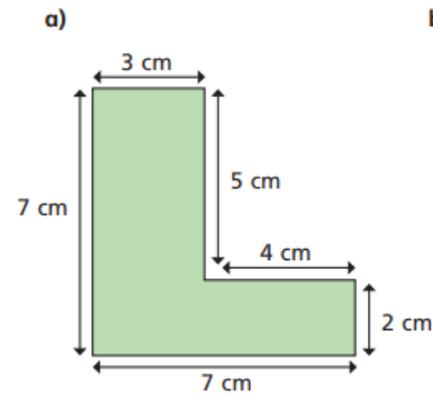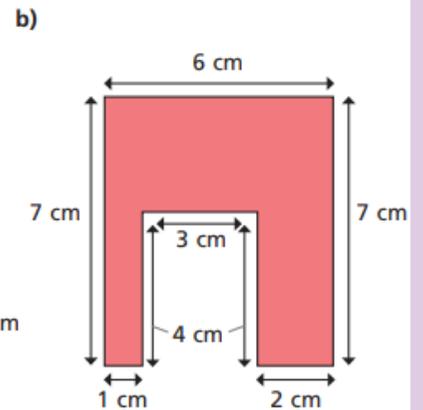**a)**

1 cm

1 cm

c)

1 cm

1 cm
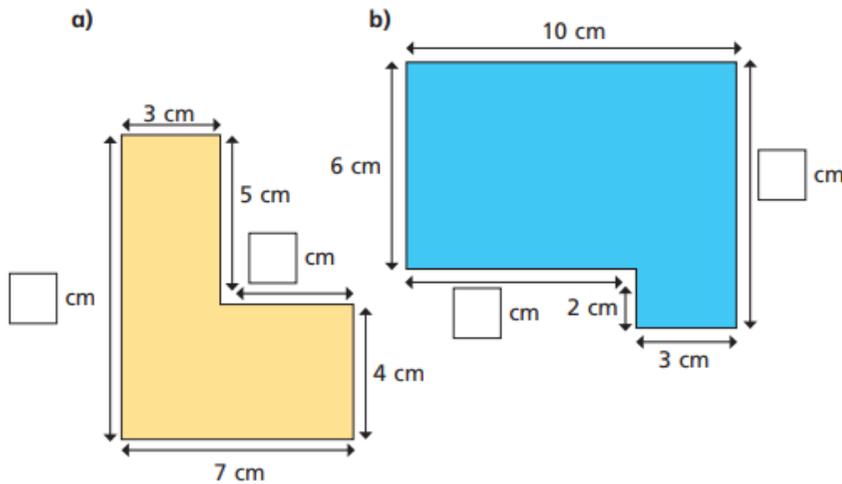
b)

1 cm

1 cm

d)

1 cm

1 cm

2 Calculate the perimeter of these shapes.

a)

8 cm

3 cm   3 cm

8 cm

b)

10 cm

6 cm

8 cm

3 Calculate the perimeter of these shapes.

a)

3 cm

5 cm

7 cm

4 cm

2 cm

7 cm

b)

6 cm

7 cm   7 cm

3 cm

4 cm

1 cm   2 cm

4 Work out the missing lengths on these shapes.

a)

3 cm

5 cm

☐ cm (6 cm label region)

☐ cm

7 cm

4 cm

b)

10 cm

6 cm

☐ cm

☐ cm   2 cm

3 cm

Discuss with a partner how you worked them out.

5 Calculate the perimeter of these shapes.

a)

10 cm

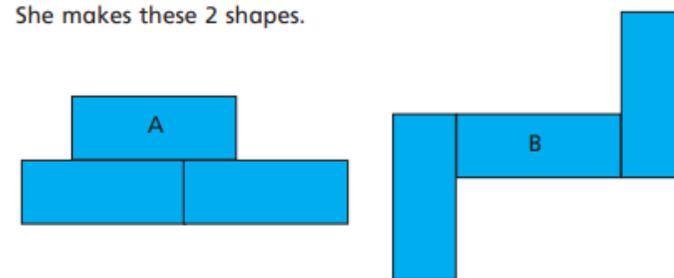4 cm

2 cm

9 cm

☐

b)

9.2 cm   9.2 cm

4 cm

3.5 cm   3.5 cm

☐
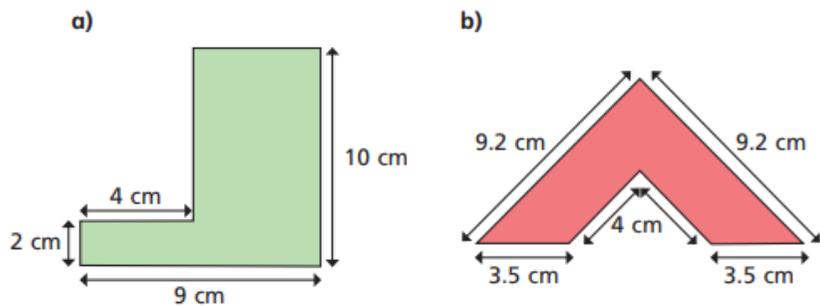
6 Mo thinks that there is not enough information to calculate the perimeter of the shape.

Is he correct? How do you know?

17 cm

3 cm

9 cm

_____

_____
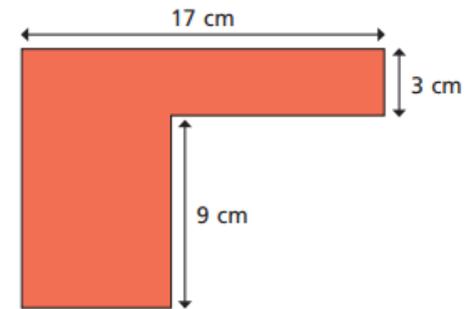
7 Rosie is making shapes made up of 3 rectangles.

Each rectangle has a length of 10 cm and a width of 4 cm.
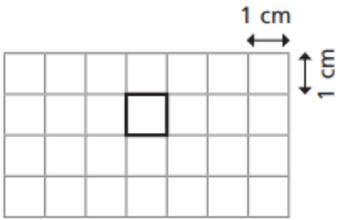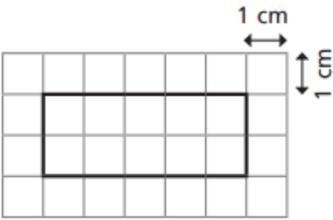
She makes these 2 shapes.

A

B

a) Which shape has the greatest perimeter? _____

b) What other shapes can you make with 3 rectangles?
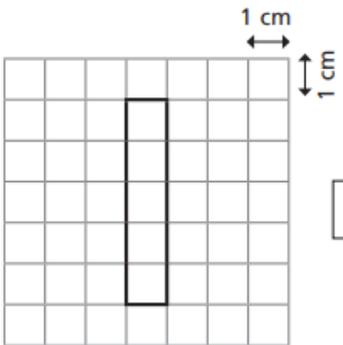
What is the perimeter of the shapes?

Area of rectangles

1 On the grid, the area of each square is 1 cm²

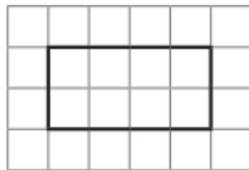Calculate the area of each rectangle.

a)

1 cm

1 cm

[ ]

c)

1 cm

1 cm

[ ]

b)

1 cm

1 cm

[ ]

2 Complete the sentences to describe the rectangle.

There are [ ] rows.

Each row has [ ] squares.

There are [ ] squares altogether.

[ ] × [ ] = [ ]

3 The area of each square is 1 cm²

Work out the area of each rectangle.

a)

[ ] × [ ] = [ ]

area = [ ]

c)

[ ] × [ ] = [ ]

area = [ ]

b)

[ ] × [ ] = [ ]

area = [ ]

d)

[ ] × [ ] = [ ]
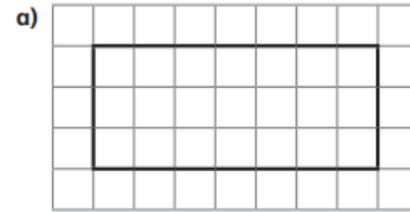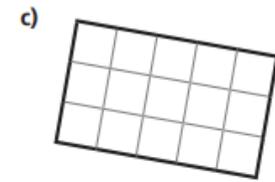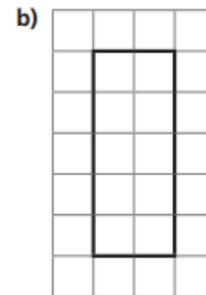
area = [ ]

4 Calculate the area of the rectangles.

A: 2 cm × 2 cm
B: 2 cm × 3 cm
C: 2 cm × 4 cm
D: 2 cm × 5 cm
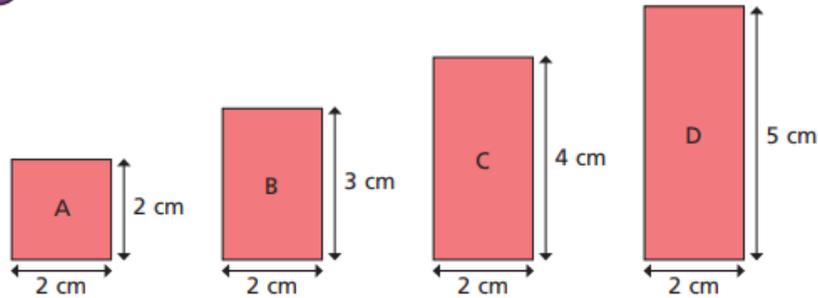
A = [ ] cm²   B = [ ] cm²   C = [ ] cm²   D = [ ] cm²

5 Work out the area of these rectangles.

a) 12 mm × 4 mm

[ ]

b) 30 m × 7 m

[ ]
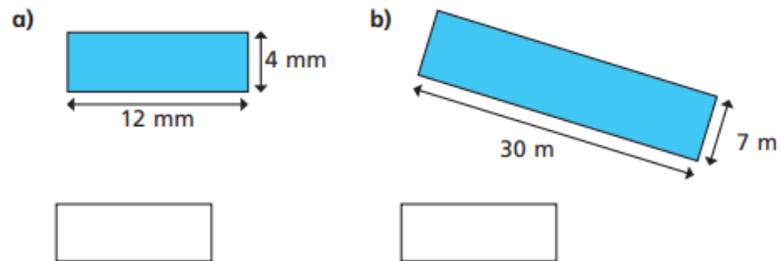
6 How many rectangles can you draw that have an area of 24 cm²?
Label the lengths. Your drawings do not have to be exact.

[ ]

Compare your answers with a partner.

7 These shapes all have the same area. Shape A is a square.
Work out the missing lengths.

A: 6 cm square

B: 9 cm, [ ] cm

C: 3 cm, [ ] cm
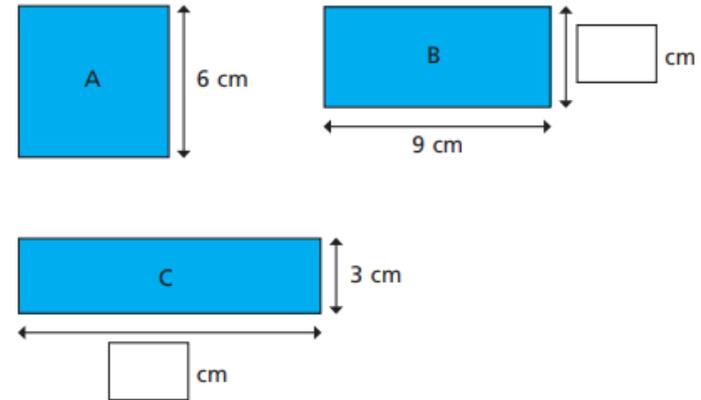
8 A rectangle has an area of 96 cm²
The length of the rectangle is 4 cm longer than the width.
Work out the length and width of the rectangle.

length = [ ]   width = [ ]