Year 6: Numeracy Day 1 Week 2

Each day, complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

Times Tables Starter

Spend 15 minutes on Times Tables Rock Stars - see if you can beat your top score!

Decimals and Measures – standard units

In today's lesson, you will learn to select and estimate the correct unit of measure and read scales measuring length, mass and volume.

https://classroom.thenational.academy/lessons/decimals-and-measures-standard-units-cdjk0r

Question 1

Match the object to its approximate mass, capacity or length

The capacity of a mug.	The distance from Manchester to Glasgow.	The height of a male giraffe.	The mass of a blue whale.
6 m	350 ml	350 km	180,000 kg

Question 2

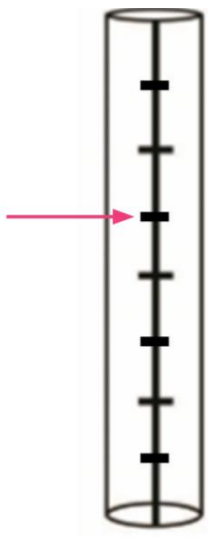
What value does the arrow indicate if the container has a capacity of:

a) 1 litre

b) 5 litres

c) 20 ml

d) Half a litre



Year 6: Numeracy Day 2

Times Tables Starter

Write out your 3, 6 and 9 timestables. What patterns can you see? How does this help you solve your division related facts?

3·6·9

Decimals and Measures – convert standard lengths

In today's lesson, you will convert between standard units of length - millimetres, centimetres, metres and kilometres.

https://classroom.thenational.academy/lessons/decimals-and-measures-convert-standard-lengths-60tkad

Question 1

Complete the table

Question 2

Match the equivalent measures. Is there an odd one out?

4 cm	0.095 m	95 000 mm	0.4 km
95 m	95 mm	400 m	9500 cm
4 km	0.04 m	9.5 cm	40 mm

Question 3

The distance from Cambridge to Oxford is 135 km. The distance from Edinburgh to Glasgow is 75 km. How much further is it from Cambridge to Oxford than Edinburgh to Glasgow? Give your answer in **metres**.

Year 6: Numeracy Day 3

Times Tables Starter

X	2	3	4	5	6	7	8	9	10	11	12
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Can you fill in this entire grid in and beat your time from last week?

Ready Set Go!

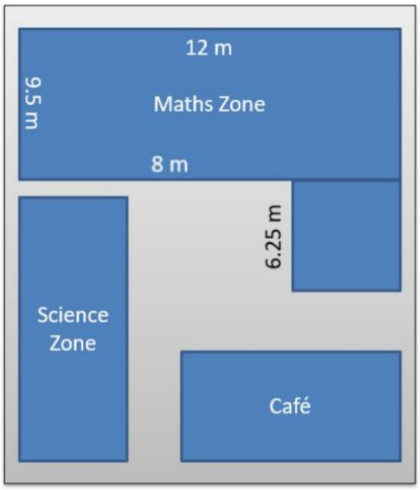
Decimals and Measures – solving problems with lengths

In today's lesson, you will solve problems involving calculating the area and perimeter of rectilinear shapes, including compound rectilinear shapes, where the conversion of measure is needed

https://classroom.thenational.academy/lessons/decimals-and-measures-solving-problems-with-length-cdk32e

Question 1

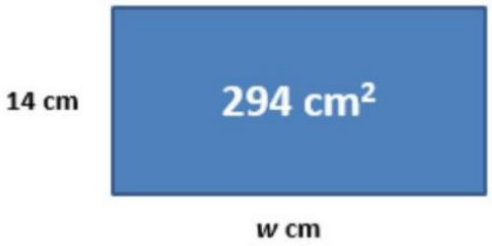
In a museum, the manager needs to close off the Maths Zone so it can be updated. She needs to put a rope fence around the perimeter. How many centimetres of rope does she need to use?



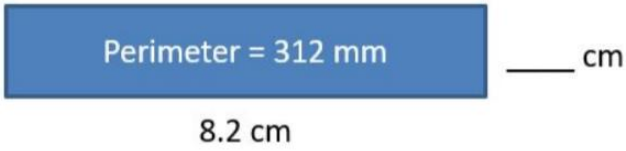
Question 2

Calculate the missing measurements.

a)

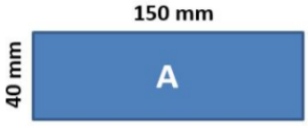


b)



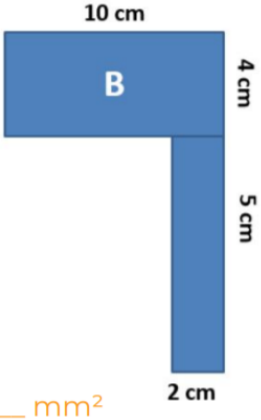
Question 3

Calculate the area and perimeter of each shape.



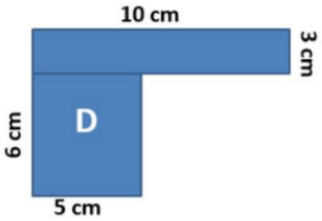
Area = _____ cm²

Perimeter = _____ cm



Area = _____ mm²

Perimeter = _____ mm



Area = _____ m²

Perimeter = _____ m

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Year 6: Numeracy Day 4

Times Tables Starter

Use your timestables to work out the missing numbers on the grids.

X			
	15	24	12
	20	32	16
	30	48	24

X			
	48	12	36
	0	0	0
	24	6	18

x	5	6	2
7			
5			
3			

x	6	3	9
8			
7			
5			

Decimals and Measures – calculating the area of triangles and parallelograms

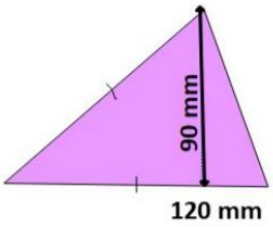
In today's lesson, you will use formulae to calculate the area of a triangle and parallelogram.

https://classroom.thenational.academy/lessons/decimals-and-measures-calculating-the-area-of-parallelograms-and-triangles-ccu32c

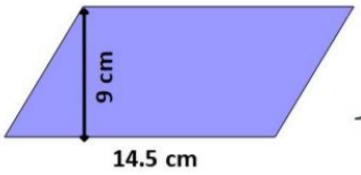
Question 1

Calculate the area of the triangles and parallelogram.

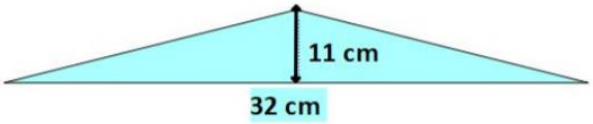
a)



b)



c)

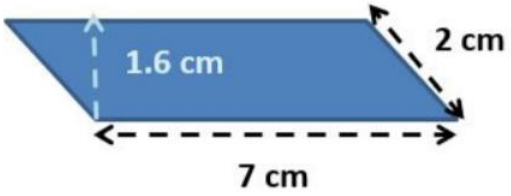


Question 2

Elizabete is calculating the area of this parallelogram.

She says:
I measured the two sides and found they were 7 cm and 2 cm. The area is 14 cm^2.

Elizabete is incorrect. Why?



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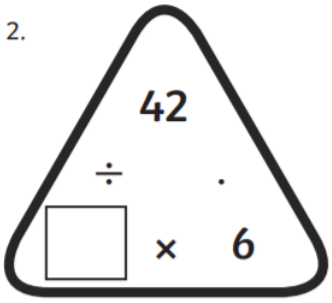
Year 6: Numeracy Day 5

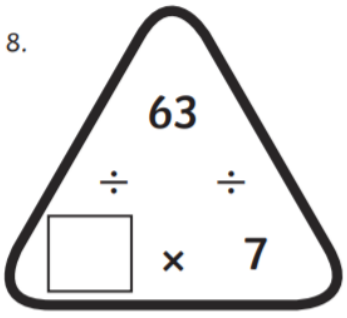
Times Tables Starter

Find the missing number, the write the 2 multiplication and 2 division numbers sentences for each triangle.

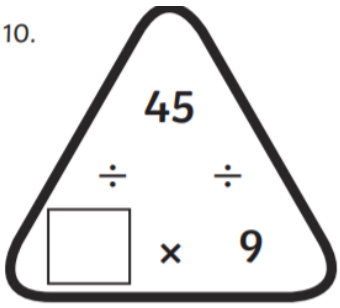
2.



8.



10.

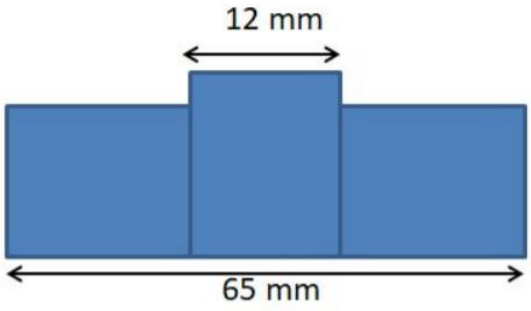


Decimals and Measures – calculation and conversion of units of area

In today's lesson, you will be investigating the relationship between square millimetres, centimetres and metres, then apply this understanding to calculating area.

https://classroom.thenational.academy/lessons/decimals-and-measures-calculation-and-conversion-of-units-of-area-c4ukar

Question 1

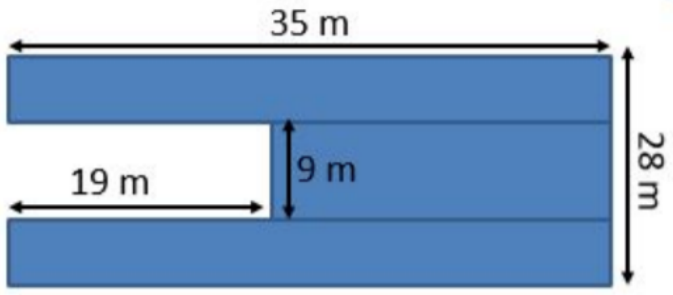


Three identical rectangles have been used to form this compound rectilinear figure.

Calculate the area of the figure.

Write the area in cm^2.

Question 2



The diagram shows a plan of a new zone at the Space Centre.

Calculate the area of the new zone in cm^2.