

# Transition to Limehurst Academy 2020 Maths Project



# Corbett Maths

- Have a go at some of these 5-a-day starters from Corbett Maths.
- Click here to find [them](#).
- There are questions for every day of the week.
- There are bronze, silver, gold and platinum activities.



5-a-day

5-a-day

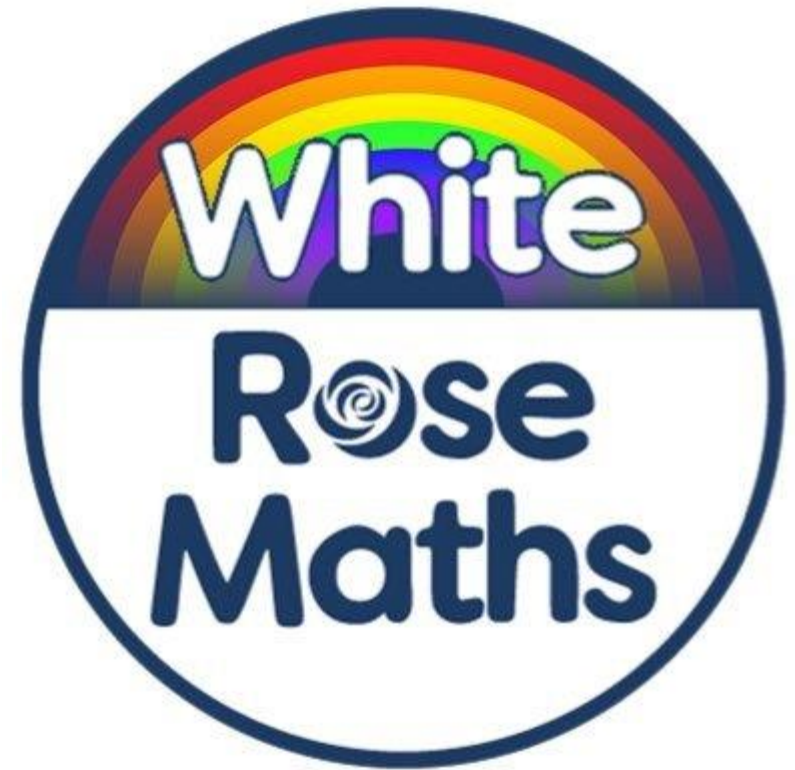
5-a-day

5-a-day

5-a-day

# White Rose

- White Rose is a great website with plenty of activities for you to have a go at.
- You can click [here](#) to get to the website.
- There are starters, video tutorials and worksheets.



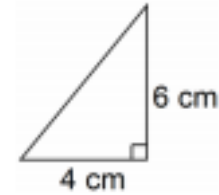
# Maths Box

## Problem 1

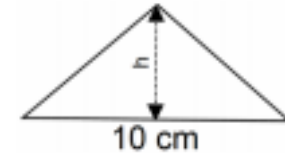
Calculate the area of the square



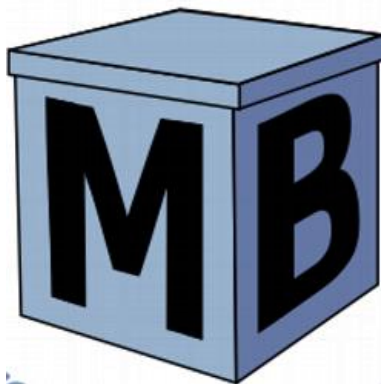
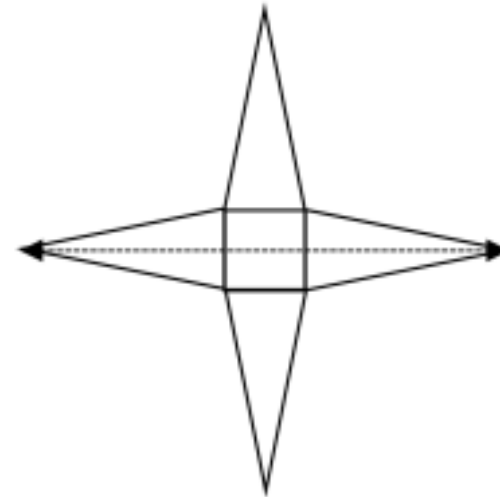
Calculate the area of the triangle



If the triangle has an area of  $40 \text{ cm}^2$  calculate the height



The logo shown below has a total area of  $125 \text{ cm}^2$  and the square has side length 5 cm. Calculate the width of the logo



# Maths Box

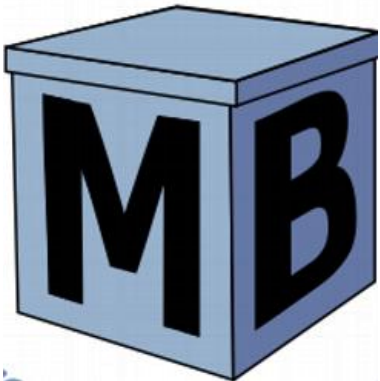
## Problem 2

Find the total value of 8 x 20p coins, 5 x 50p coins and 11 x £1 coins

Write down an expression for 20 more than  $x$

One quarter of counters in a bag are yellow. If there are 16 yellow counters in the bag, how many counters are there altogether?

Alex has some 20p, 50p and £1.00 coins in a bag. He has 10 more 50p coins than £1 coins. His 20p coins are worth £2.80. One-third of the coins are 20p coins  
How much money does Alex have altogether?



Work out the missing number  
 $75 + 13 + ?? = 140$

How many teams scored more than 3 goals?

Team	No. of goals
A	3
B	5
C	4
D	2

Express 96 out of 400 as a percentage

The table shows the number of brothers and sisters of the students in year 7.

What percentage of students have more than 1 brother or sister?

Number of brothers and sisters

	1	2	3	4	
Year 7 Male students	62		8		104
Year 7 Female students		24	14		
	118			6	200

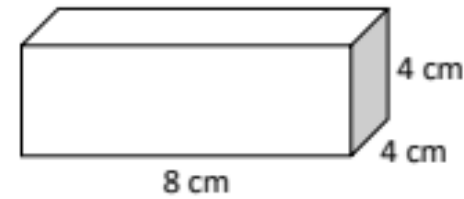


# Maths Box

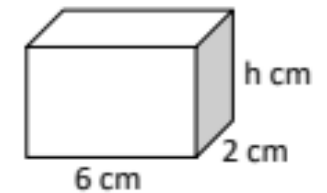
## Problem 4

Calculate three-quarters of £320

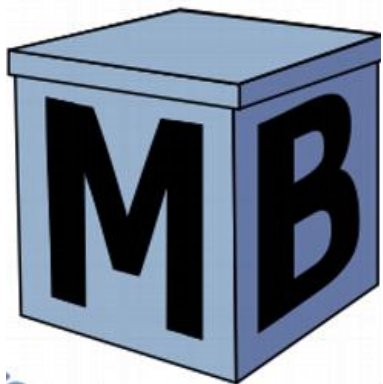
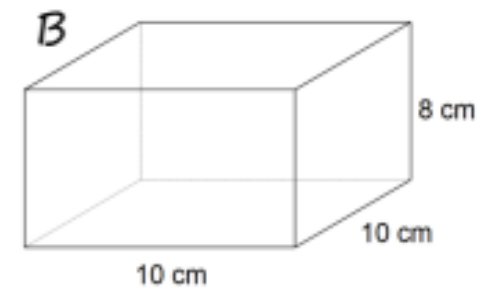
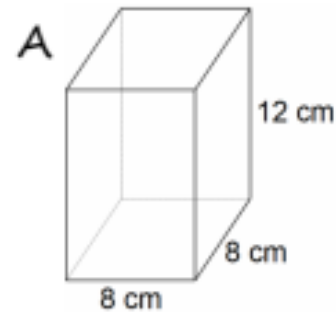
Calculate the volume of the cuboid



If the volume of the cuboid is  $24 \text{ cm}^3$  calculate the height



Water is poured into container A so that it is two-thirds full.  
Container A is then emptied into container B.  
Calculate the depth of the water in B



# Maths Box

## Problem 5

Calculate  $x$



Calculate  $y$



Calculate the sum of the interior angles in a 5 sided polygon

Calculate  $x$

