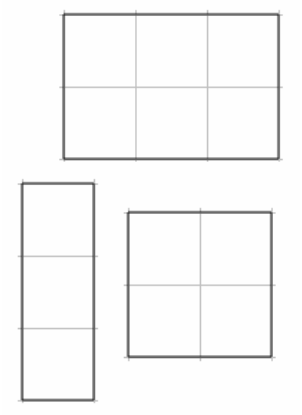
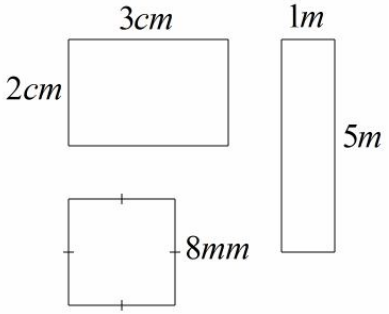
Rectangles (Area and Perimeter)
www.m4ths.com

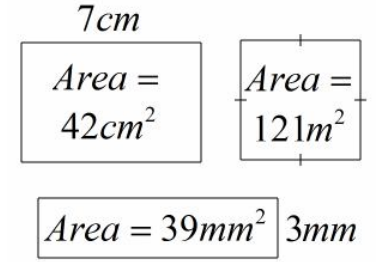
Task 1 Counting Squares
Find the area AND perimeter of each shape by counting the squares.



Task 2 Finding Areas
Calculate the area AND perimeter of each shape.



Task 3 Finding Missing Lengths
Find the missing side lengths of each shape AND each perimeter.



Parallelograms (Area)
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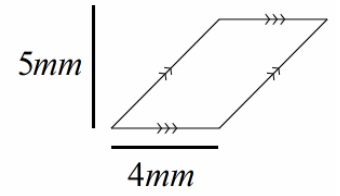
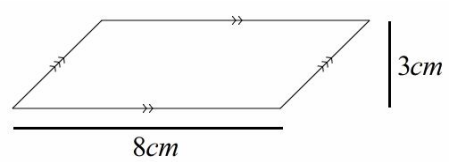
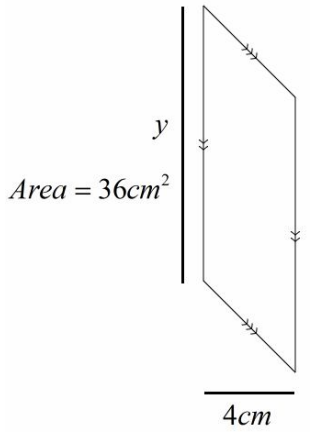
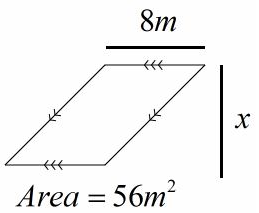
Task 1 Finding Areas
Explain why each shape below is a parallelogram and find the area of each shape.





Task 2 Finding Missing Lengths
Find the value of x and y in the diagrams below.

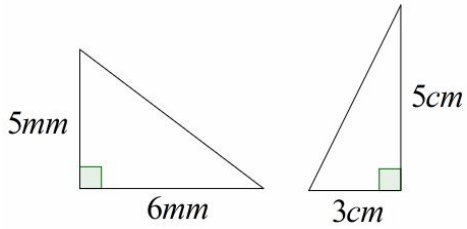




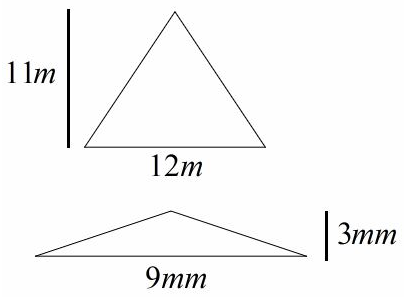
Triangles (Area)
www.m4ths.com

Task 1 Misconceptions and Errors
Explain common error students make when finding the area of a triangle.

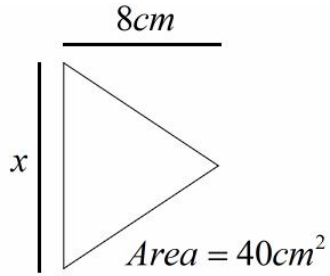
Task 2 Finding Areas
State the type of triangle shown below and find the area of each.



Task 3 Finding Areas
Find the area of each triangle below and state whether you can confirm each triangle is and isosceles triangle.



Task 4 Finding Missing Lengths
Find the value of x in the diagram below.



Trapeziums (Area)
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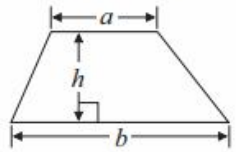
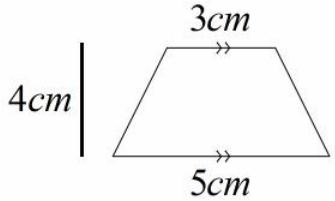
On some exam papers you are given the formula to work out the area of a Trapezium

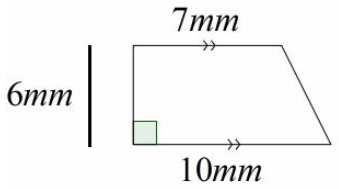
$$\text{Area of trapezium} = \frac{1}{2}(a+b)h$$



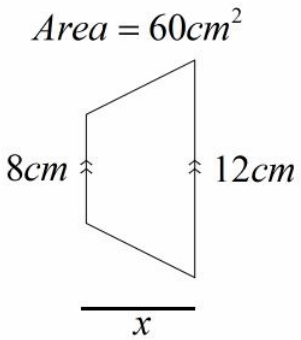
Simply put "Add the top & the bottom, multiply that by the height (h) & half your answer."

Task 1 Finding Areas
Find the area of each trapezium below.





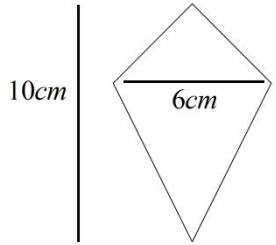
Task 2 Finding Missing Lengths
Find the value of x in the diagram below.

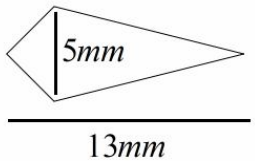


Kites (Area)
www.m4ths.com

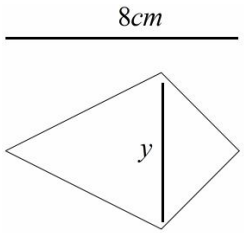
Task 1 Misconceptions and Errors
Explain common error students make when finding the area of a kite.

Task 2 Finding Areas
Calculate the area of each kite below

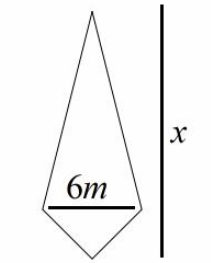




Task 2 Finding Missing Lengths
Find the value of x and y in the diagrams below.



$Area = 20cm^2$



$Area = 27m^2$

Compound Shapes (Area and Perimeter)
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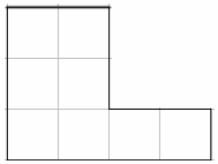
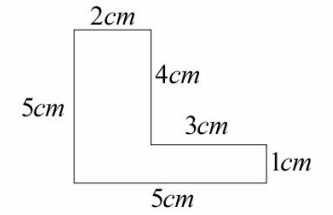
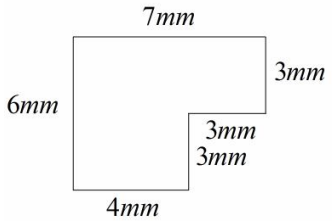
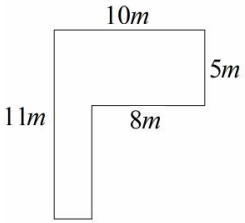
Task 1 Counting Squares
Find the area AND perimeter of the shape below by counting the squares.

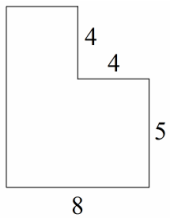


Task 2 Finding Areas
Calculate the area of each shape below.









Circles (Area and Circumference)
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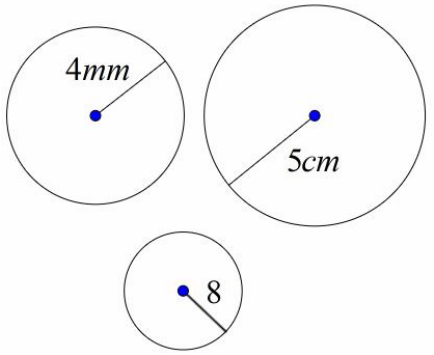
Formulae

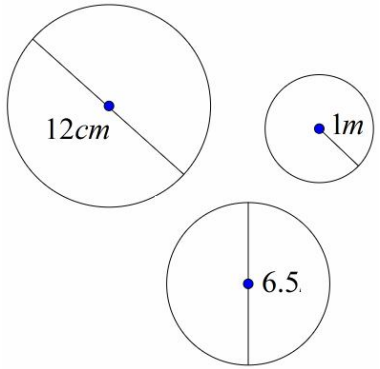
$Area = \pi r^2$

$Circumference = 2\pi r$

Task 1 Finding Areas and Circumferences
Calculate the area AND circumference of each circle below. Give each answer to one decimal place. Take π = 3.142 if you don't have the π button on your calculator.



Task 2 Finding Areas and Circumferences
Calculate the area AND circumference of each circle below. Give each answer to one decimal place. Take π = 3.142 if you don't have the π button on your calculator.



Task 3 Finding Areas and Circumferences
Find the area and circumference of a semicircle with a radius of 9cm.

Tougher Questions (Area and Perimeter)
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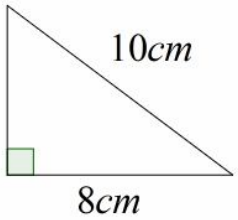
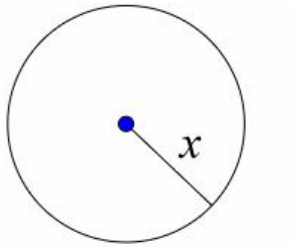
(1) Without using a calculator, find the area of the triangle below:



(2) Given that π was taken to be 3, without a calculator, find the value of x in the diagram below:



$Area = 147u^2$

(3) Given that the area of the isosceles triangle below is 50cm², find the perimeter of the square attached to it.