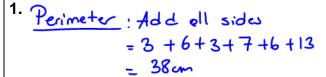
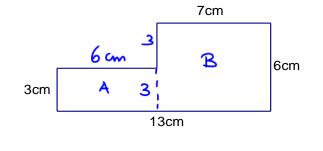
Date:

What is a composite figure?

A figure (or shape) that can be divided into more than one of the basic figures is said to be a composite figure (or shape).

Find the area and perimeter of the following figures:





2.
$$a^{2} = 6^{2} + 8^{2}$$
 $Q^{2} = 100$
 $Q = 10$

$$= 60 \text{cm}^{2}$$
2. $a^{2} = 6^{2} + 8^{2}$ Perimeter Area
$$Q^{2} = 1000$$

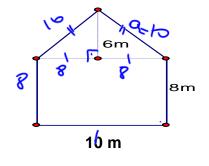
$$Q = 10 \text{cm}$$

$$P = 16 + 8 + 10 + 10 + 8$$

$$= 52 \text{cm}$$

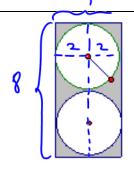
$$= 128 + 48$$

$$= 174. 2$$



Find the area of the shaded region in the diagram below:

Shaded = Total _ 2. Area of Circle Region = Area _ 2. TT.(2)2 - 6.87 mm2

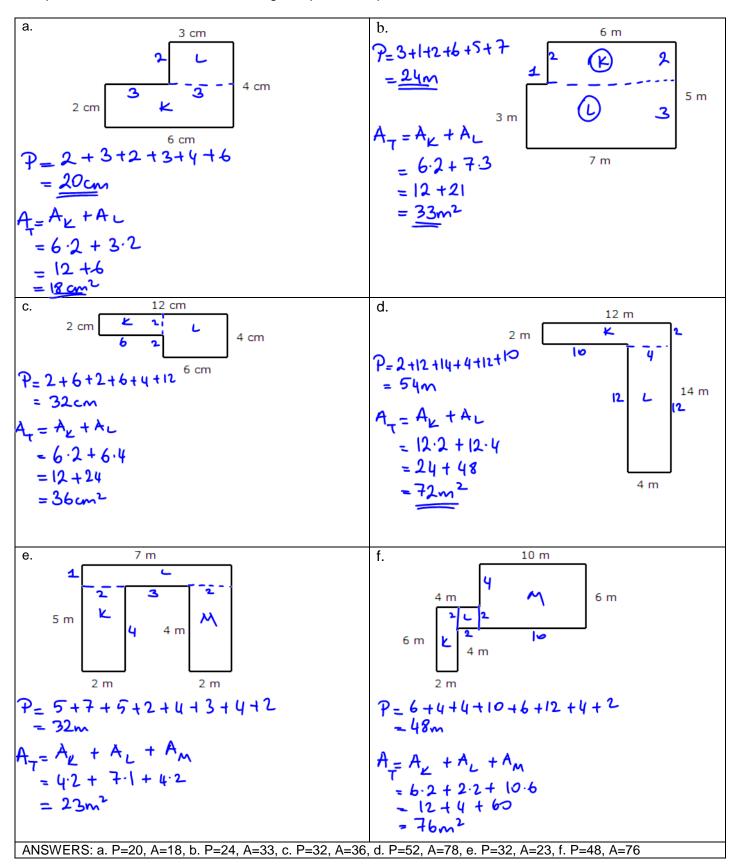


RADIUS = 2mm

Date:

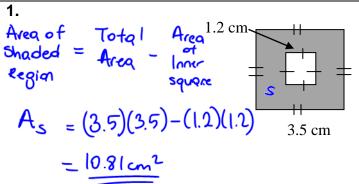
Practice: Composite Area and Perimeter

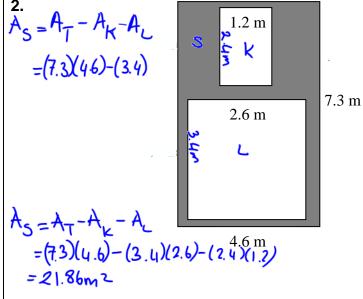
Find the perimeter AND area of the following composite shapes:



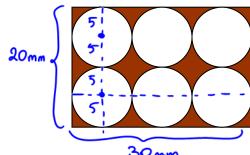
Practise: Composite Area and Perimeter

Find the area of the shaded region in each diagram below:





3. Find the area of the <u>non-shaded</u> region <u>and</u> the area of the <u>shaded</u> region, if the radius of one circle is 5mm.



Area of an analysis and an area of one circle)

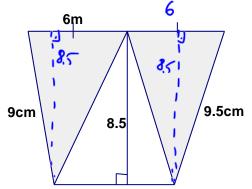
region =
$$6 \cdot (Area of one circle)$$

= $6 \cdot (\pi r^2)$

= $6 \cdot (\pi \cdot 5^2)$

= $47 \cdot 1mm^2$

4. Find the area of the shaded region:



$$A_{\text{Shqkd}} = \frac{1}{2}.6.(8.5) + \frac{1}{2}.6.(8.5)$$

$$= 25.5 + 25.5$$

$$= 5 \text{ km}^2$$

ANSWERS: 1) 9.85cm², 2) 21.66m², 3) nonshaded=471mm², shaded=129mm², 4) 51cm²