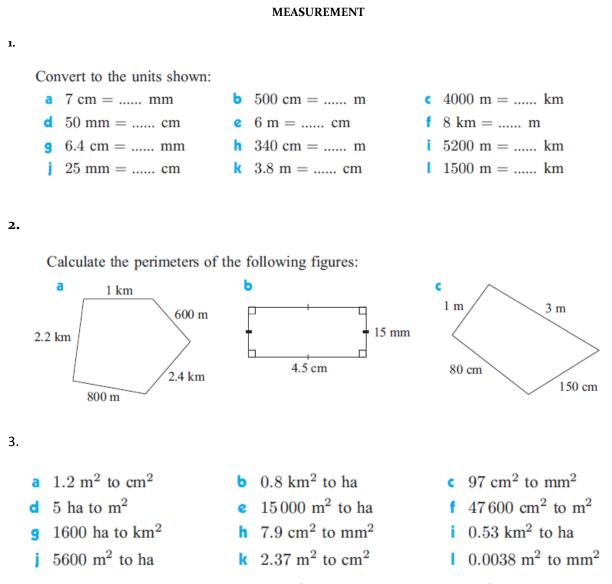
FINAL EXAM REVIEW #5

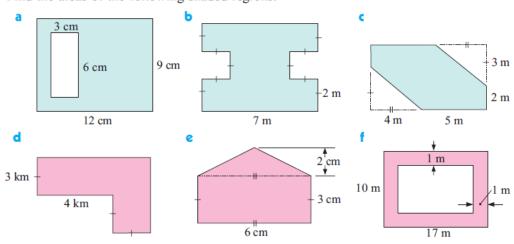


NUMBER THEORY	ALGEBRA	GEOMETRY LINES AND	MEASUREMENT√
INTEGERS, POWERS,	RATIO, PROPORTION	ANGLES	STATISTICS
AND ROOTS	PERCENT	COORDINATE GEOMETRY	PROBABILITY

Work through all the questions below and check answers at the end of the worksheet. If you have any question with this section, please ask during the next class time or come to consultation.

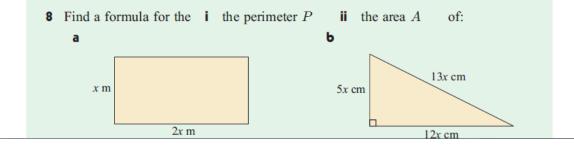


A piece of paper has an area of 630 cm². Express this area in mm².



Find the areas of the following shaded regions:

- **4** A piece of wire 640 cm long is cut into equal lengths. These are then bent into squares 4 cm by 4 cm. How many squares can be made?
- 5 The school sports fields are laid out in a rectangle 220 m by 160 m. Find the cost of fertilising the grass if 1 kg of fertiliser covers 80 square metres and fertiliser costs \$25 for a 40 kg bag.
- 6 A carpet measuring 4 m by 3 m is placed in a room 5.2 m long and 4.8 m wide. What area of the floor is left uncarpeted?
- 7 A lounge room is 5.4 m long, 4.8 m wide, and 4.2 m high. It has a door 2 m by 1 m and a window 2 m by 1.5 m.
 - **a** Draw a diagram to illustrate the room.
 - **b** If wallpaper costs €5.50 per square metre, find the cost of wallpapering the four walls.



1.

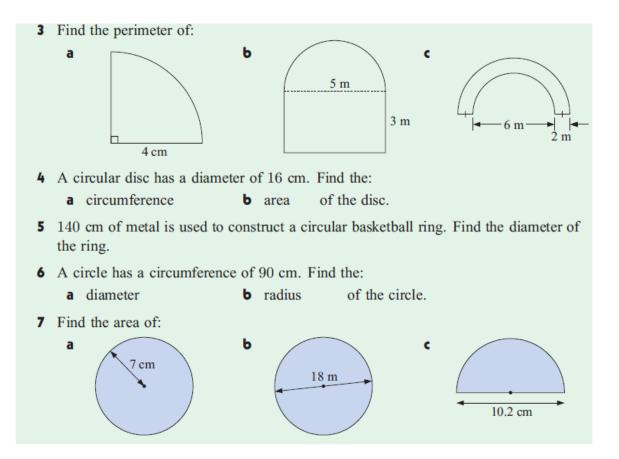
CIRCLES

1. <u>Define the following terms:</u>

Radius:

Diameter:

- 2. Find the circumference and area of the following circles with: (Leave in terms of π)
 - a. r = 5cm
 - b. d = 10cm



ANSWERS

