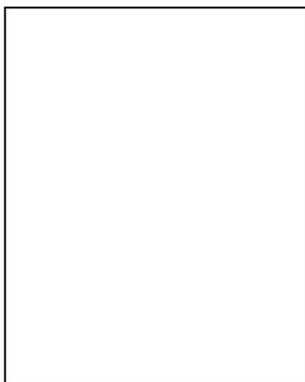


## Section 3.2 Extra Practice

1. a) Estimate the length and width of the rectangle in centimetres. Then, estimate the area in square centimetres.



- b) Measure the actual length and width of the rectangle. Then, calculate its area.

2. Complete each conversion.

a)  $3 \text{ m}^2 = \underline{\hspace{2cm}} \text{ cm}^2$

b)  $0.3 \text{ m}^2 = \underline{\hspace{2cm}} \text{ cm}^2$

c)  $0.03 \text{ m}^2 = \underline{\hspace{2cm}} \text{ cm}^2$

d)  $30 \text{ cm} \times 40 \text{ cm} = \underline{\hspace{2cm}}$   
 $\hspace{10em} = \underline{\hspace{2cm}} \text{ m}^2$

e)  $40 \text{ cm} \times 80 \text{ cm} = \underline{\hspace{2cm}}$   
 $\hspace{10em} = \underline{\hspace{2cm}} \text{ m}^2$

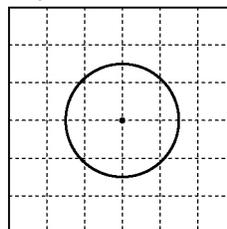
f)  $20 \text{ cm} \times 80 \text{ cm} = \underline{\hspace{2cm}}$   
 $\hspace{10em} = \underline{\hspace{2cm}} \text{ m}^2$

3. What SI unit would be best to express the area of each item? Prepare to explain your reasoning.

- a) a cell phone screen \_\_\_\_\_
- b) a hockey rink \_\_\_\_\_
- c) a placemat \_\_\_\_\_
- d) a shower curtain \_\_\_\_\_
- e) a cutting board \_\_\_\_\_
- f) a movie theatre screen \_\_\_\_\_

4. a) What is the area of the large square?

Scale: 1 square represents  $1 \text{ cm}^2$



- b) Estimate the area of the circle.
- c) Calculate the area of the circle to the nearest square centimetre.

5. Calculate the area of a circular pizza pan with a diameter of 30 cm. Round your answer to the nearest square centimetre.

