

7:02 | Area

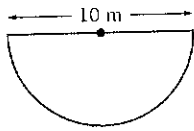
Name: _____

Class: _____

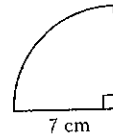
Examples

Find the area of the following shapes.

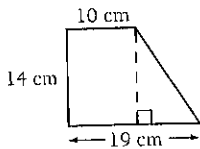
1 Area = $\frac{1}{2}$ circle
 $= \frac{1}{2} \times \pi \times 5^2$
 $\approx 39.3 \text{ m}^2$



2 Area = $\frac{1}{4}$ circle
 $= \frac{1}{4} \times \pi \times 7^2$
 $\approx 38.5 \text{ cm}^2$

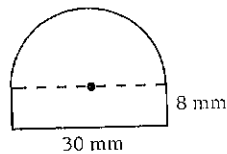


3



Area of rectangle = $14 \times 10 = 140 \text{ cm}^2$
 Area of triangle = $\frac{1}{2} \times 9 \times 14 = 63 \text{ cm}^2$
 Total area = 203 cm^2

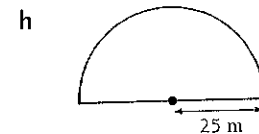
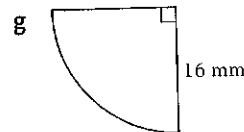
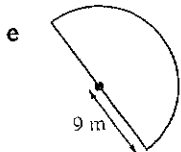
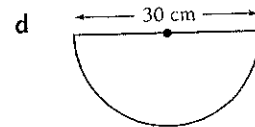
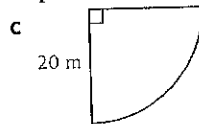
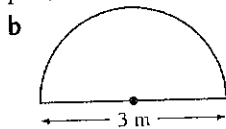
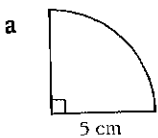
4



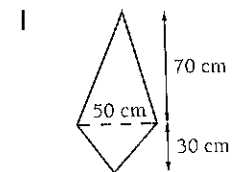
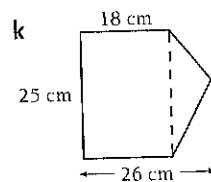
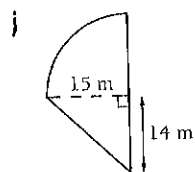
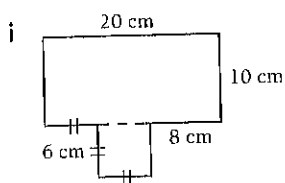
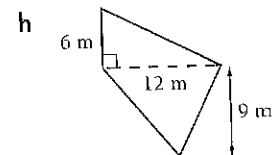
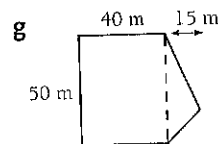
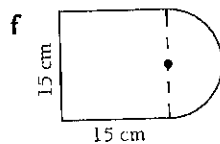
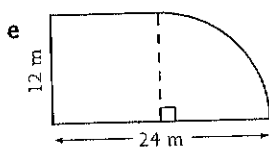
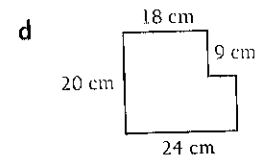
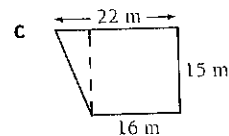
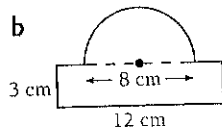
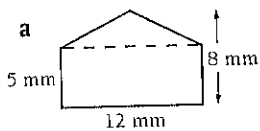
Area of rectangle = $30 \times 8 = 240 \text{ mm}^2$
 Area of semicircle = $\frac{1}{2} \times \pi \times 15^2 \approx 353 \text{ mm}^2$
 Total area $\approx 593 \text{ mm}^2$

Exercise

1 Find the area of these shapes, correct to 1 decimal place.



2 Find the area, correct to the nearest whole.



Answers can be found in the Interactive Student CD.

NEW SIGNPOST MATHEMATICS 9/5-1-5.3 FOUNDATION WORKSHEETS

7:02 Area

1	a	19.6 cm ²	b	3.5 m ²	c	314.2 m ²	d	353.4 cm ²	e	127.2 m ²	f	1963.5 cm ²	
		g	201.1 mm ²	h	981.7 m ²								
2	a	78 mm ²	b	61 cm ²	c	285 m ²	d	426 cm ²	e	257 m ²	f	313 cm ²	
		g	2375 m ²	h	90 m ²	i	236 cm ²	j	282 m ²	k	550 cm ²	l	2500 cm ²