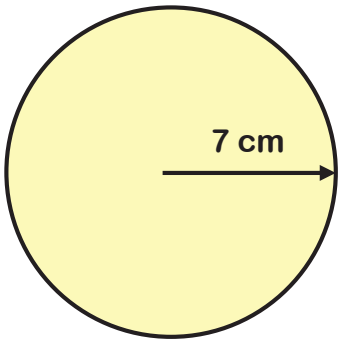
Area of Circles
ANSWERS

Section A *Complete the work shown to find the area of the circles.*

Example:

1)

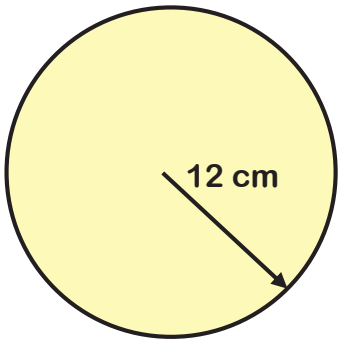


Area of circle = πr^2

Area of circle = $\pi \times 7^2$

Area of circle = 153.9 cm^2

2)

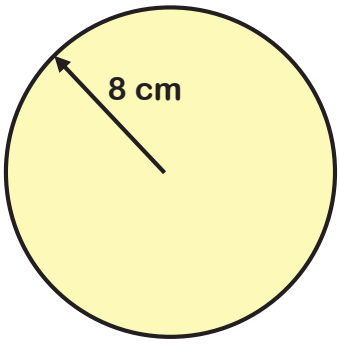


Area of circle = πr^2

Area of circle = $\pi \times 12^2$

Area of circle = 452.39 cm^2

3)

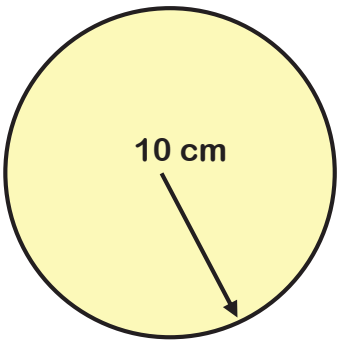


Area of circle = πr^2

Area of circle = $\pi \times 8^2$

Area of circle = 201.06 cm^2

4)

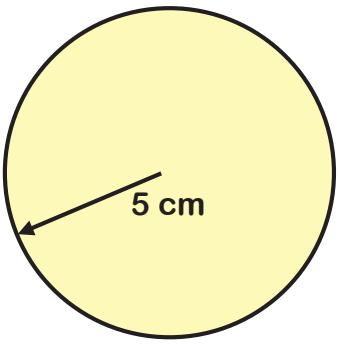


Area of circle = πr^2

Area of circle = $\pi \times 10^2$

Area of circle = 314.16 cm^2

5)

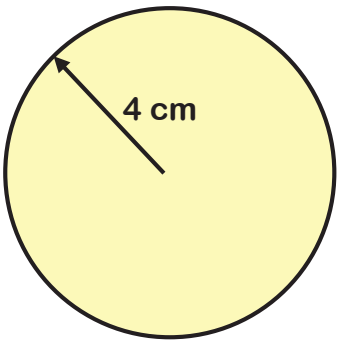


Area of circle = πr^2

Area of circle = $\pi \times 5^2$

Area of circle = 78.54 cm^2

6)



Area of circle = πr^2

Area of circle = $\pi \times 4^2$

Area of circle = 50.27 cm^2

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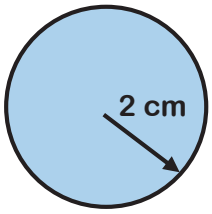
Area of Circles
ANSWERS

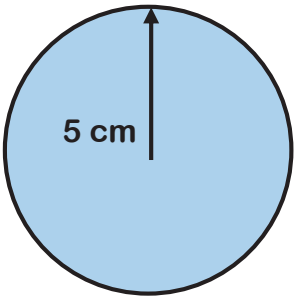
Section B *Find the area of the circles.*

1) 

A = 12.57 cm^2

2)

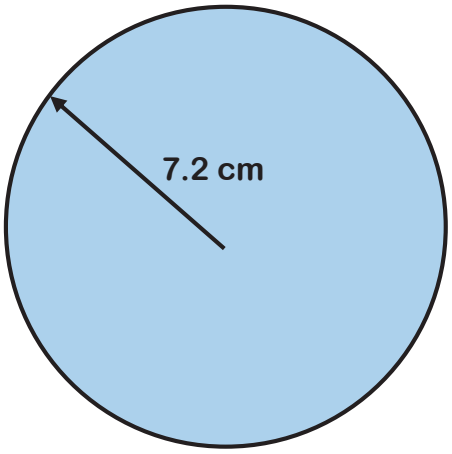
A = 7.07 cm^2

3) 

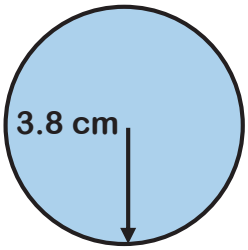
A = 78.54 cm^2

4)

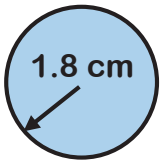
A = 2.54 cm^2

5) 

A = 162.86 cm^2

6) 

A = 45.36 cm^2

7) 

A = 10.18 cm^2

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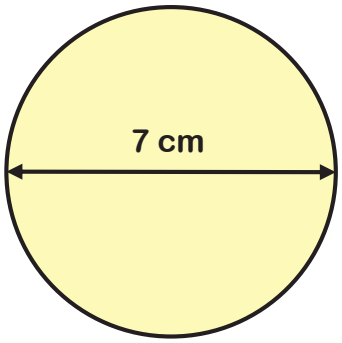
Area of Circles
ANSWERS

Section C *Complete the work shown to find the area of the circles.*

Example:

1)

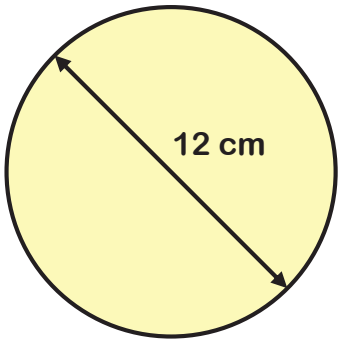


Area of circle = πr^2

Area of circle = $\pi \times 3.5^2$

Area of circle = 38.48 cm^2

2)

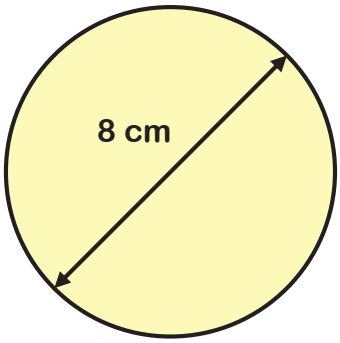


Area of circle = πr^2

Area of circle = $\pi \times 6^2$

Area of circle = 113.10 cm^2

3)

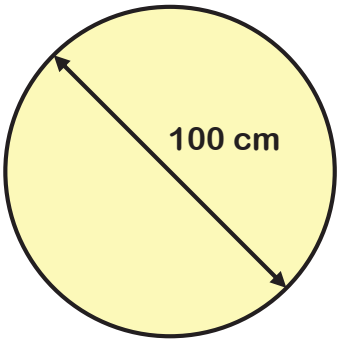


Area of circle = πr^2

Area of circle = $\pi \times 4^2$

Area of circle = 50.27 cm^2

4)

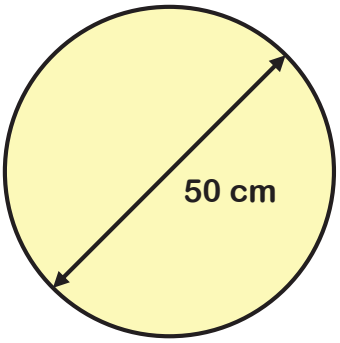


Area of circle = πr^2

Area of circle = $\pi \times 50^2$

Area of circle = 7853.98 cm^2

5)

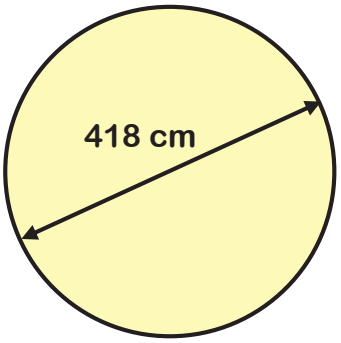


Area of circle = πr^2

Area of circle = $\pi \times 25^2$

Area of circle = 1963.50 cm^2

6)



Area of circle = πr^2

Area of circle = $\pi \times 209^2$

Area of circle = 137227.91 cm^2

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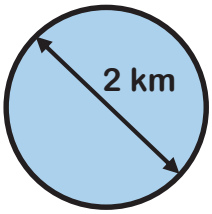
Area of Circles
ANSWERS

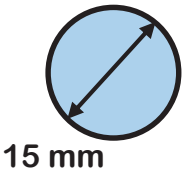
Section D *Find the area of the circles.*

1)



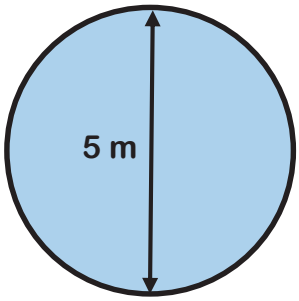
A = 3.14 km^2

2)



A = 176.71 mm^2

3)

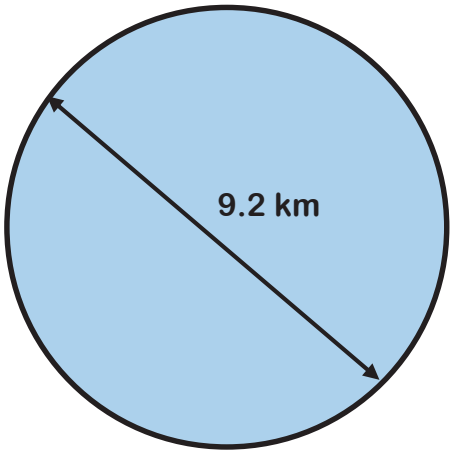


A = 19.63 m^2

4)

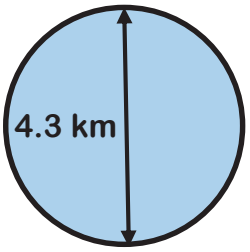
A = 63.62 mm^2

5)



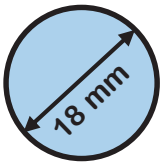
A = 66.48 km^2

6)



A = 14.52 m^2

7)



A = 254.47 mm^2

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