Year 9 Class 19 questions

Q1

Find the circumference of a circle with radius 5 cm. (Ans. to 1 d.p.)

_____ cm

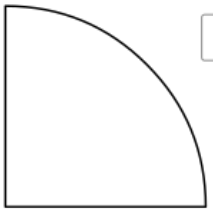
Q2

Find the circumference of a circle with radius 28 mm. (Ans. to 1 d.p.)

_____ mm

Q3

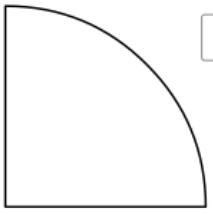
Find the perimeter of this quadrant.



_____ cm (1 d.p.)

Q4

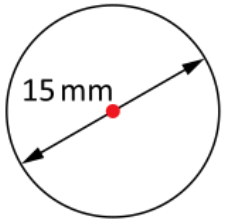
Find the perimeter of this quadrant.



_____ cm (1 d.p.)

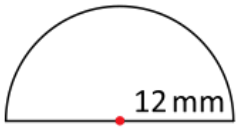
Q5

Find the area of this circle correct to 1 decimal place.



Area = _____ mm²

Q6



Area = _____ mm² (1 d.p.)

Q7

Find the circumference of a circle with radius 2.1 cm. (Ans. to 1 d.p.)

_____ cm

Q8

Find the circumference of a circle with radius 14.2 cm. (Ans. to 1 d.p.)

_____ cm

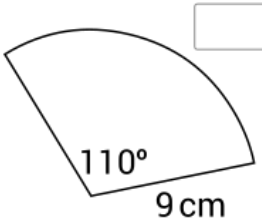
Q9

Find the circumference of a circle with diameter 8 cm. (Ans. to 1 d.p.)

_____ cm

Q10

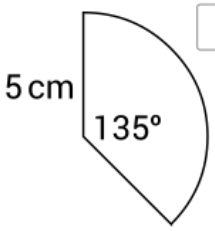
Find the perimeter of this sector.



_____ cm (1 d.p.)

Q11

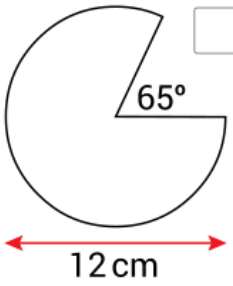
Find the perimeter of this sector.



[ ] cm (1 d.p.)

Q12

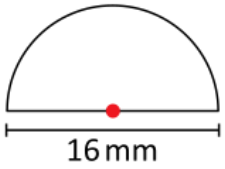
Find the perimeter of this sector.



[ ] cm (1 d.p.)

Q13

Find the area of this semi-circle correct to 1 decimal place.



Area = [ ] mm²

Q14

Find the area of a circle with diameter 40 mm. Answer correct to 1 decimal place.

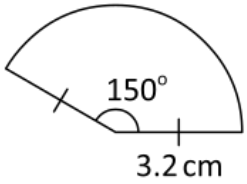
Area = [ ] mm²

Q15

Find the area of a circle with diameter 1.9 cm. Answer correct to 1 decimal place.

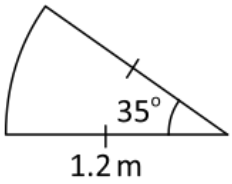
Area = [ ] cm²

Q16



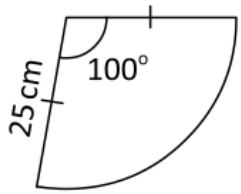
Area = [ ] cm² (1 d.p.)

Q17



Area = [ ] m² (1 d.p.)

Q18



Area = [ ] cm² (1 d.p.)

Q19

Find the circumference of a circle with diameter 4.2 cm. (Ans. to 1 d.p.)

[ ] cm

Q20

Find the circumference of a circle with diameter 2.6 cm. (Ans. to 1 d.p.)

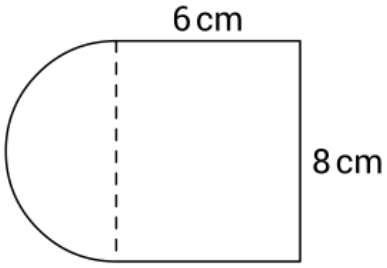
[ ] cm

Q21

Find the circumference of a circle with diameter 17.9 cm. (Ans. to 1 d.p.)

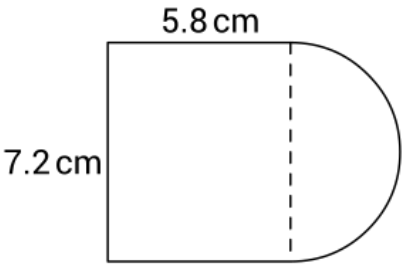
[ ] cm

Q22



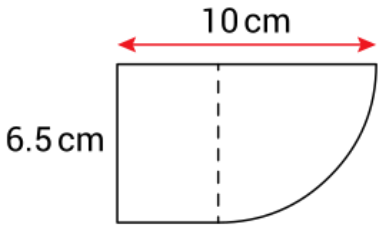
Perimeter = ☐ cm (1 d.p.)

Q23



Perimeter = ☐ cm (1 d.p.)

Q24



Perimeter = ☐ cm (1 d.p.)

Q25

The circumference of a circle is 25.2 cm. Find the area of the circle correct to 1 decimal place.

Area = ☐ cm²

Q26

The area of a circle is 15 m². Find the diameter of the circle correct to 1 decimal place.

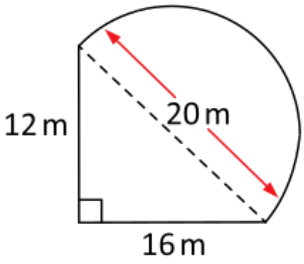
Diameter = ☐ m

Q27

Which could be used to find the area of a circle with diameter 20 cm?

- ○ π × π × 20
- ○ π × 100
- ○ π ÷ 200
- ○ π × 20 × 10

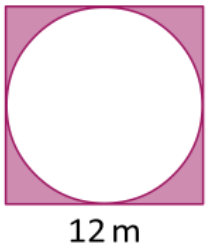
Q28



Area = ☐ m² (1 d.p.)

Q29

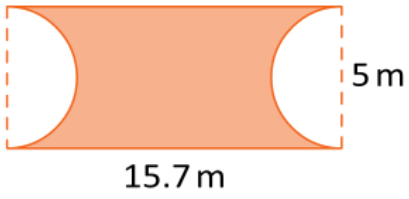
Find the shaded area.



Area = ☐ m² (1 d.p.)

Q30

Find the shaded area.



Area = ☐ m² (1 d.p.)