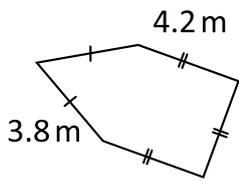


Year 8 Class 20 questions

Q1



Perimeter = m
20.2

Q2

Find the perimeter of a rhombus with sides of 7 cm.

cm
28

Q3

Find the diameter of a circle with a radius of 6.5 cm.

diameter = cm
13

Q4

Find the diameter of a circle with a radius of 7.5 km.

diameter = km
15

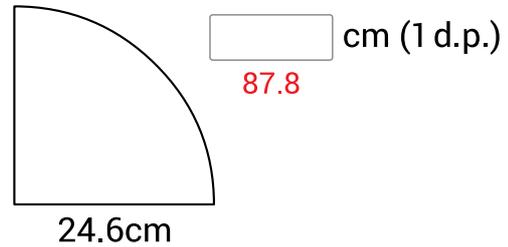
Q5

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

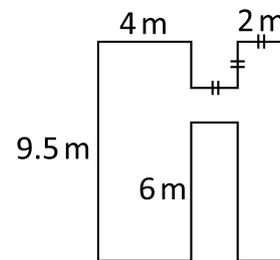
cm 50.3 cm

Q6

Find the perimeter of this quadrant.



Q7



Perimeter = m
51

Q8

Find the perimeter of a kite with sides 27.5 cm and 63.2 cm.

cm
181.4

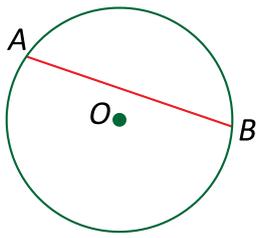
Q9

The perimeter of an equilateral triangle is 84 m. What is the side length?

m
28

Q10

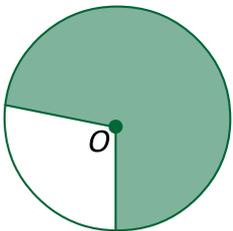
Choose the correct name for the interval AB .



- the diameter
- the radius
- a chord
- a sector

Q11

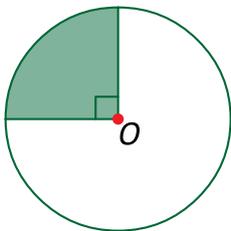
Choose the correct name for the circle part shown.



- the diameter
- a segment
- a semi-circle
- a sector

Q12

What fraction of the circle is shaded?



$\frac{1}{4}$

Q13

Find the circumference of a circle with radius 0.9 cm. (Ans. to 1 d.p.)

cm **5.7 cm**

Q14

Find the circumference of a circle with radius 26.3 mm. (Ans. to 1 d.p.)

mm **165.2 mm**

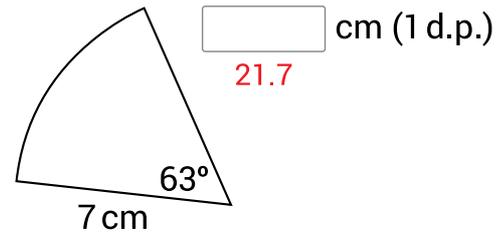
Q15

Find the circumference of a circle with diameter 25 cm. (Ans. to 1 d.p.)

cm **78.5 cm**

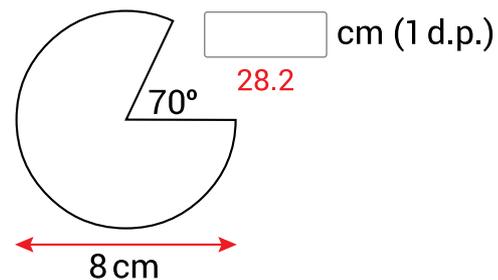
Q16

Find the perimeter of this sector.



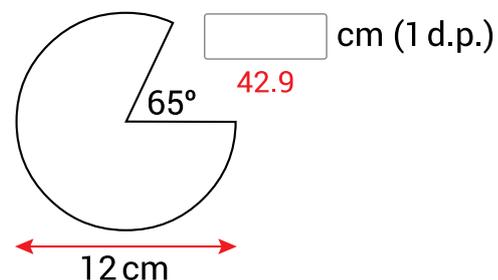
Q17

Find the perimeter of this sector.



Q18

Find the perimeter of this sector.



Q19

The perimeter of a regular pentagon is 1.1 m. What is the side length?

cm
22

Q20

The perimeter of a regular pentagon is 3.2m. What is the side length?

cm
64

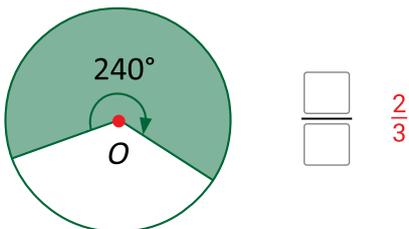
Q21

The perimeter of an equilateral triangle is 1.5m. What is the side length?

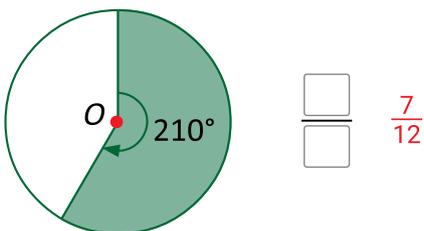
cm
50

Q22

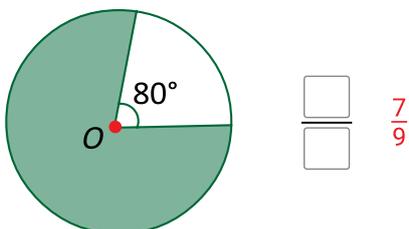
What fraction of the circle is shaded?

**Q23**

What fraction of the circle is shaded?

**Q24**

What fraction of the circle is shaded?

**Q25**

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

cm 13.2 cm

Q26

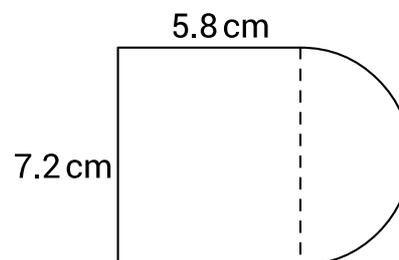
Find the circumference of a circle with diameter 2.6 cm. (Ans. to 1 d.p.)

cm 8.2 cm

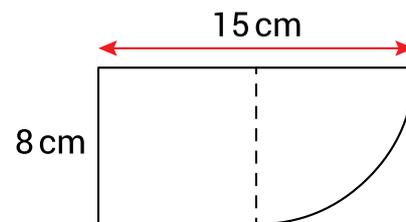
Q27

Find the circumference of a circle with diameter 3.2 km. (Ans. to 1 d.p.)

km 10.1 km

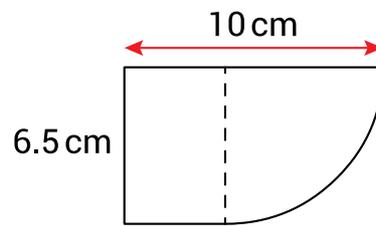
Q28

Perimeter = cm (1 d.p.)
30.1

Q29

Perimeter = cm (1 d.p.)
42.6

Q30



Perimeter = cm (1 d.p.)
30.2