Year 8 Class 20 questions

Q1

4.2 m

3.8 m
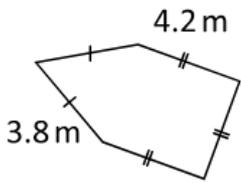
Perimeter = [   ] m

Q2

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

[   ] cm

Q3

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

diameter = [   ] cm

Q4

Find the diameter of a circle with a radius of 7.5 km.
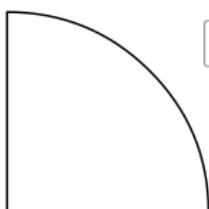
diameter = [   ] km

Q5

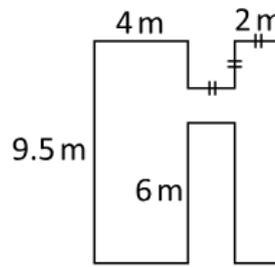Find the circumference of a circle with radius 8 cm. (Ans. to 1 d.p.)

[   ] cm

Q6

Find the perimeter of this quadrant.

[   ] cm (1 d.p.)

24.6cm

Q7

4 m   2 m

9.5 m

6 m

Perimeter = [   ] m

Q8

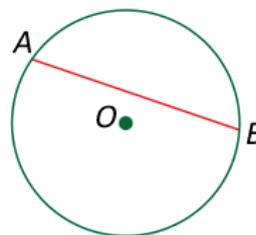Find the perimeter of a kite with sides 27.5 cm and 63.2 cm.

[   ] cm

Q9

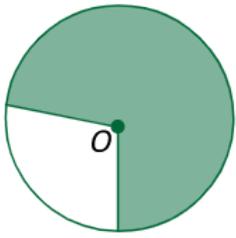The perimeter of an equilateral triangle is 84 m. What is the side length?

[   ] m

Q10

Choose the correct name for the interval AB.

A

O•

B

○ the diameter
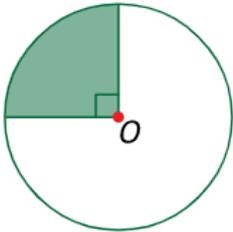
○ the radius

○ 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?

$\dfrac{\Box}{\Box}$

Q13

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

[_____] cm

Q14

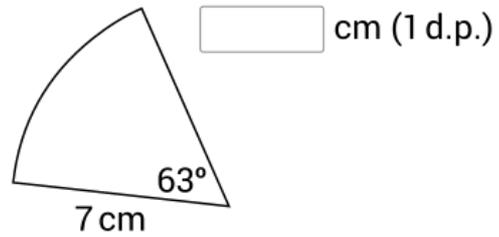Find the circumference of a circle with radius 26.3 mm. (Ans. to 1 d.p.)

[_____] mm

Q15

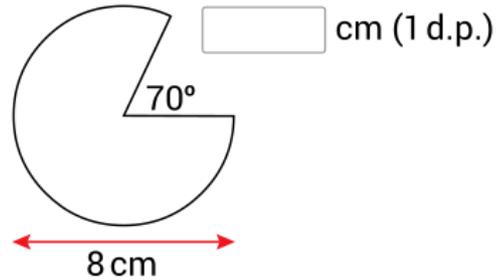Find the circumference of a circle with diameter 25 cm. (Ans. to 1 d.p.)
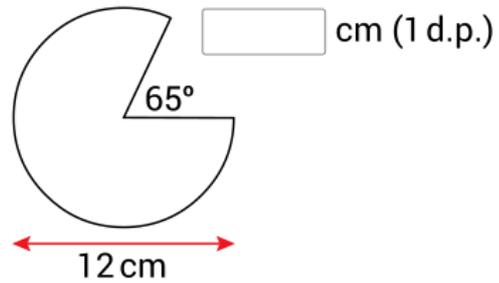
[_____] cm

Q16

Find the perimeter of this sector.

[_____] cm (1 d.p.)

63°

7 cm

Q17

Find the perimeter of this sector.

[_____] cm (1 d.p.)

70°

8 cm

Q18

Find the perimeter of this sector.

[_____] cm (1 d.p.)

65°

12 cm

Q19

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

[_____] cm

Q20

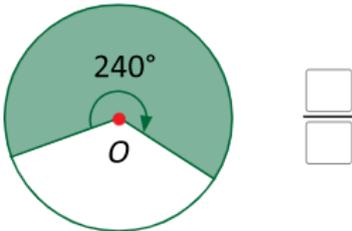The perimeter of a regular pentagon is 3.2 m. What is the side length?

[_____] cm

Q21

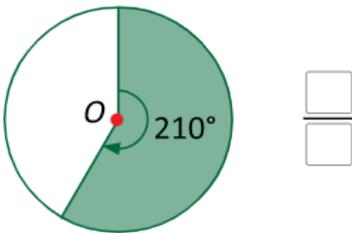The perimeter of an equilateral triangle is 1.5 m. What is the side length?

[   ] cm

Q22

What fraction of the circle is shaded?
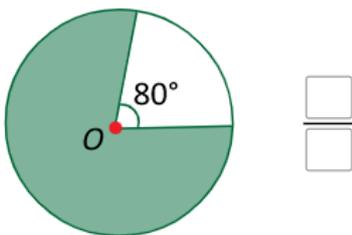

240°

O

[ ]/[ ]

Q23

What fraction of the circle is shaded?

O 210°

[ ]/[ ]

Q24

What fraction of the circle is shaded?

80°

O

[ ]/[ ]

Q25

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

[   ] cm

Q26

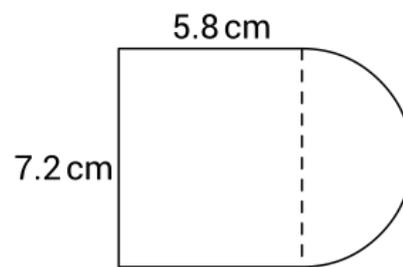Find the circumference of a circle with diameter 2.6 cm. (Ans. to 1 d.p.)

[   ] cm

Q27

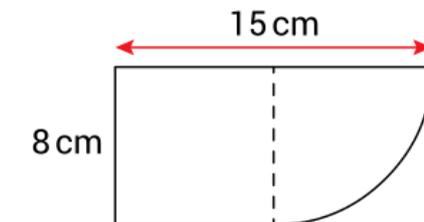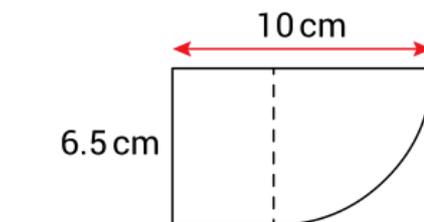Find the circumference of a circle with diameter 3.2 km. (Ans. to 1 d.p.)

[   ] km

Q28

5.8 cm

7.2 cm

Perimeter = [   ] cm (1 d.p.)

Q29

15 cm

8 cm

Perimeter = [   ] cm (1 d.p.)

Q30

10 cm

6.5 cm

Perimeter = [   ] cm (1 d.p.)