Year 9 Class 19 questions

Q1

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

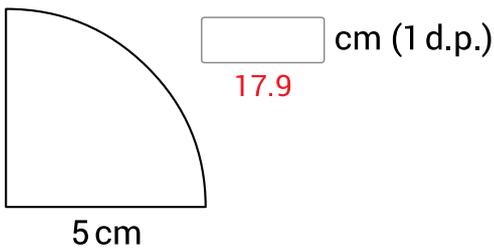[____] cm   *31.4 cm*

Q2

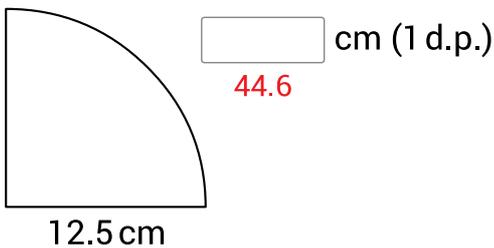Find the circumference of a circle with radius 28 mm. (Ans. to 1 d.p.)

[____] mm   *175.9 mm*

Q3
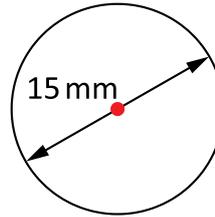
Find the perimeter of this quadrant.

[____] cm (1 d.p.)
17.9

5 cm

Q4

Find the perimeter of this quadrant.

[____] cm (1 d.p.)
44.6

12.5 cm

Q5

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

15 mm

Area = [____] mm²
176.7

Q6

12 mm
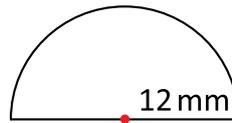
Area = [____] mm² (1 d.p.)
226.2

Q7

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

[____] cm   *13.2 cm*

Q8

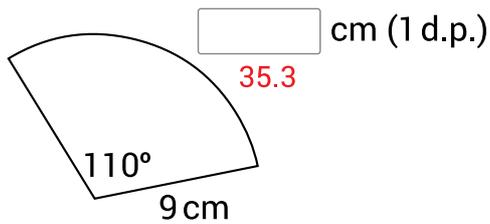Find the circumference of a circle with radius 14.2 cm. (Ans. to 1 d.p.)

[____] cm   *89.2 cm*

Q9

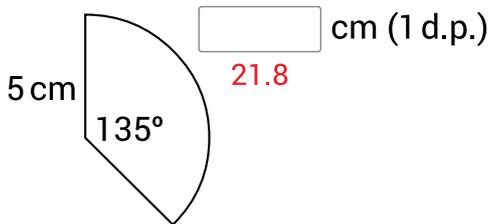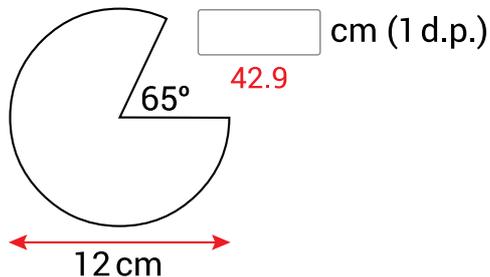Find the circumference of a circle with diameter 8 cm. (Ans. to 1 d.p.)

[____] cm   *25.1 cm*

Q10

Find the perimeter of this sector.

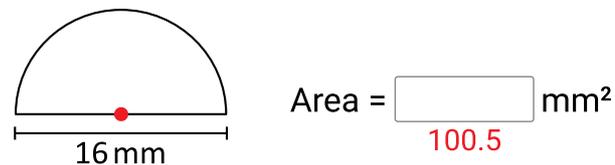[____] cm (1 d.p.)
35.3

110°
9 cm

Q11

Find the perimeter of this sector.

[____] cm (1 d.p.)
21.8

5 cm
135°

Q12

Find the perimeter of this sector.

[____] cm (1 d.p.)
42.9

65°

12 cm

Q13

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

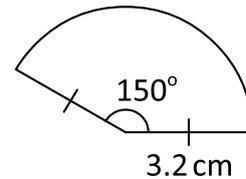Area = [____] mm²
100.5

16 mm

Q14

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

Area = [____] mm²
1256.6

Q15

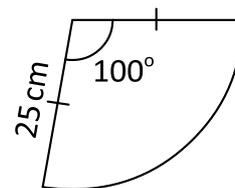Find the area of a circle with diameter 1.9 cm. Answer correct to 1 decimal place.

Area = [____] cm²
2.8

Q16

150°
3.2 cm

Area = [____] cm² (1 d.p.)
13.4

Q17

35°
1.2 m

Area = [____] m² (1 d.p.)
0.4

Q18

25 cm
100°

Area = [____] cm² (1 d.p.)
545.4
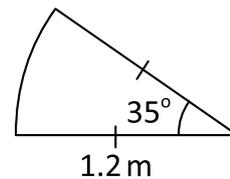
Q19

Find the circumference of a circle with diameter 4.2 cm. (Ans. to 1 d.p.)
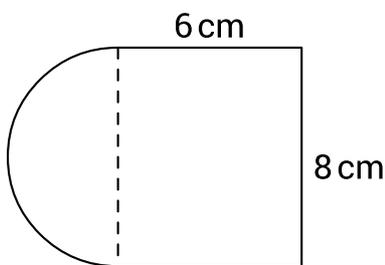
[____] cm   *13.2 cm*

Q20

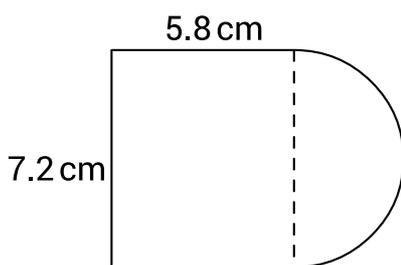Find the circumference of a circle with diameter 2.6 cm. (Ans. to 1 d.p.)

[ ] cm   8.2 cm

Q21

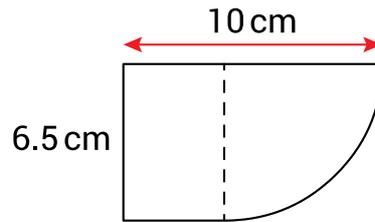Find the circumference of a circle with diameter 17.9 cm. (Ans. to 1 d.p.)

[ ] cm   56.2 cm

Q22

6 cm

8 cm

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

32.6

Q23

5.8 cm

7.2 cm

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

30.1

Q24

10 cm

6.5 cm

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

30.2

Q25

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

Area = [ ] cm²

50.5

Q26

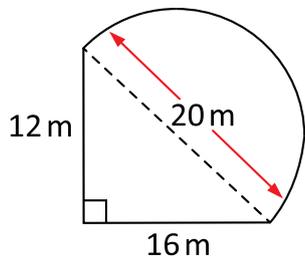The area of a circle is 15 m². Find the diameter of the circle correct to 1 decimal place.

Diameter = [ ] m

4.4

Q27

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

○ $\pi \times \pi \times 20$ ➡ ○ $\pi \times 100$

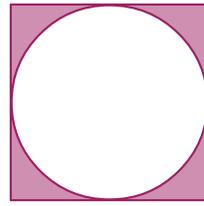○ $\pi \div 200$ ○ $\pi \times 20 \times 10$

Q28

12 m
20 m
16 m

Area = [ ] m² (1 d.p.)
253.1

Q29

Find the shaded area.
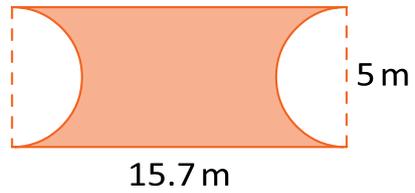

12 m

Area = [ ] m² (1 d.p.)
30.9

Q30

Find the shaded area.

5 m
15.7 m

Area = [ ] m² (1 d.p.)
58.9