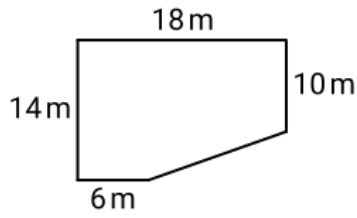


# Year 8 Class 21 questions

Q1

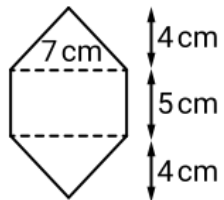
Find the area.



Area =  m<sup>2</sup>

Q2

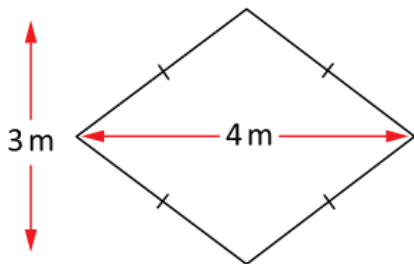
Find the area.



Area =  cm<sup>2</sup>

Q3

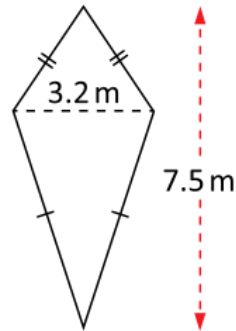
Calculate the area.



Area =  m<sup>2</sup>

Q4

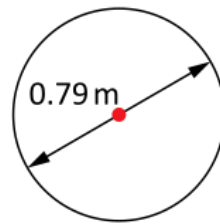
Calculate the area.



Area =  m<sup>2</sup>

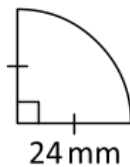
Q5

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



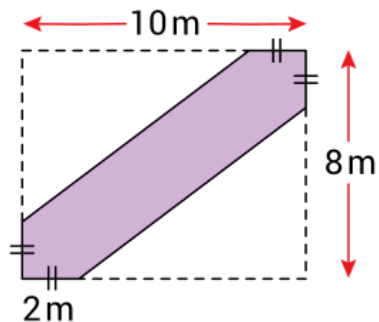
Area =  m<sup>2</sup>

Q6



Area =  mm<sup>2</sup> (1 d.p.)

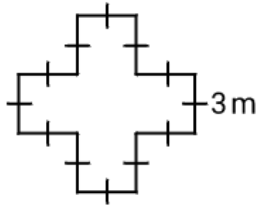
Q7



Shaded area =  m<sup>2</sup>

Q8

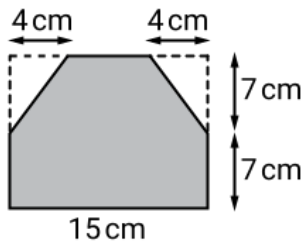
Find the area.



Area =  m<sup>2</sup>

Q9

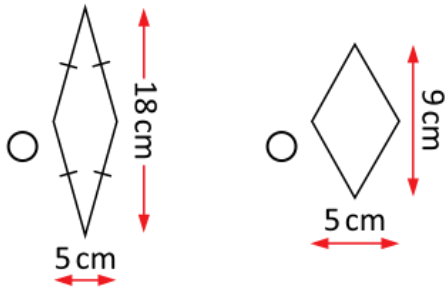
Find the area.



Area =  cm<sup>2</sup>

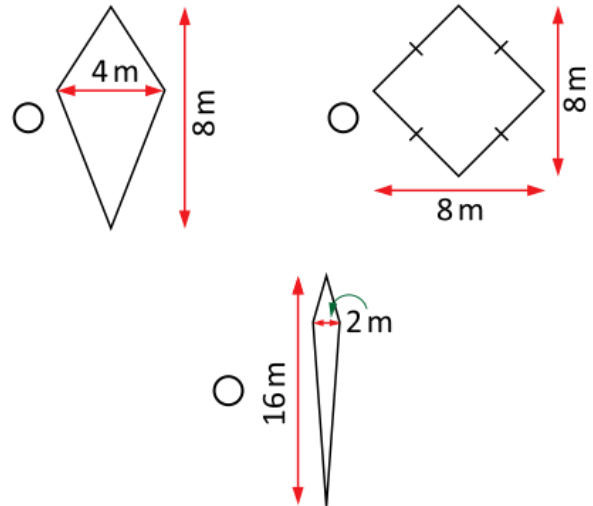
Q10

Which rhombus has an area of 45 cm<sup>2</sup>?



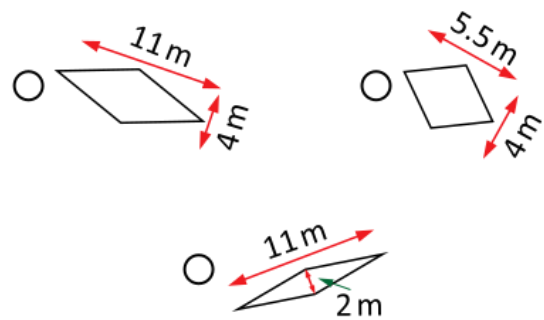
Q11

Which kite has an area of 32 m<sup>2</sup>?



Q12

Which rhombus has an area of 22 m<sup>2</sup>?



Q13

Find the area of a circle with diameter 28 mm. Answer correct to 1 decimal place.

Area =  mm<sup>2</sup>

Q14

Find the area of a circle with diameter 2.9 m. Answer correct to 1 decimal place.

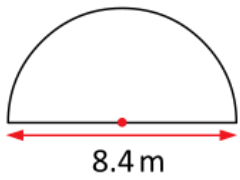
Area =  m<sup>2</sup>

Q15

Which could be used to find the area of a circle with radius 6 m?

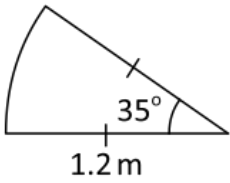
- $\pi \times 3$
- $\pi \times 6 \times \pi \times 6$
- $\pi \times 6^2$
- $\pi \times 3 \times 3$

Q16



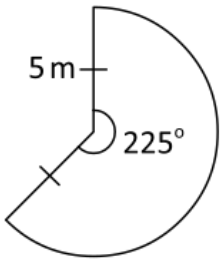
Area =  m<sup>2</sup> (1 d.p.)

Q17



Area =  m<sup>2</sup> (1 d.p.)

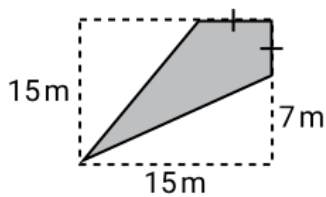
Q18



Area =  m<sup>2</sup> (1 d.p.)

Q19

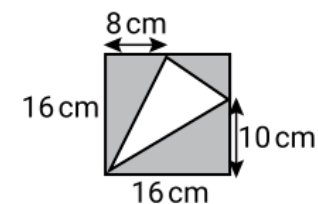
Find the shaded area.



Area =  m<sup>2</sup>

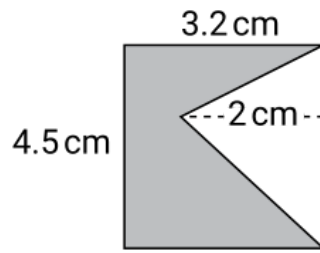
Q20

Find the shaded area.



Shaded Area =  cm<sup>2</sup>

Q21



Shaded Area =  cm<sup>2</sup>

Q22

*ABCD* is a rhombus. *AC* = 17 cm and *BD* = 13 cm. What is the area of *ABCD*?

Area =  cm<sup>2</sup>

Q23

*PQRS* is a rhombus. *PQ* = *QR* = *RS* = *SP* = 15 cm. *SQ* = 24 cm and *PR* = 18 cm. What is the area of *PQRS*?

Area =  cm<sup>2</sup>

Q24

The area of a kite is 15 cm<sup>2</sup>. One diagonal is 10 cm. What is the length of the other diagonal?

Length =  cm

Q25

The circumference of a circle is 100 cm. Find the area of the circle correct to 1 decimal place.

Area =  cm<sup>2</sup>

Q26

The area of a circle is 14.8 m<sup>2</sup>. 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 1 m?

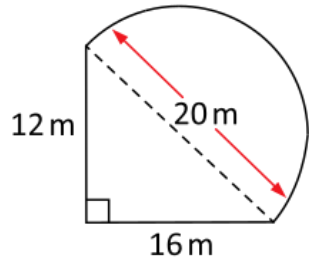
$\pi \times \frac{1}{2}$

$\pi \div 2$

$\pi \times 1$

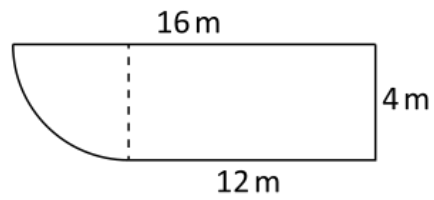
$\pi \times \frac{1}{4}$

Q28



Area =  m<sup>2</sup> (1 d.p.)

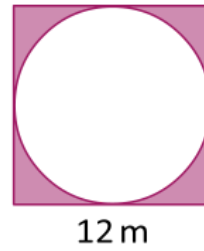
Q29



Area =  m<sup>2</sup> (1 d.p.)

Q30

Find the shaded area.



Area =  m<sup>2</sup> (1 d.p.)