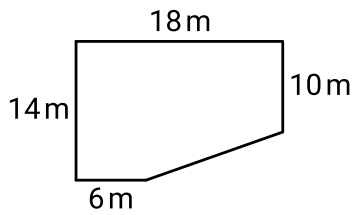


Year 8 Class 21 questions

Q1

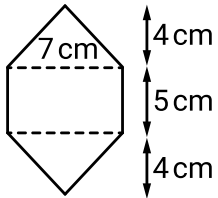
Find the area.



Area = m² **228 m²**

Q2

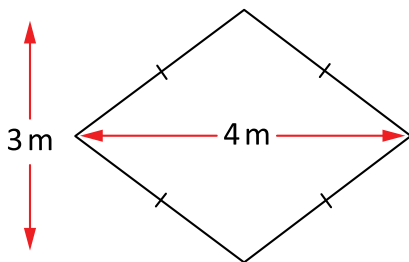
Find the area.



Area = cm² **63 cm²**

Q3

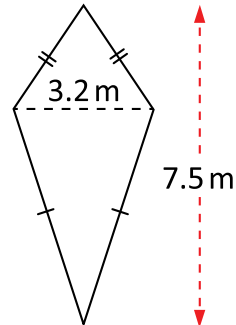
Calculate the area.



Area = m²
6

Q4

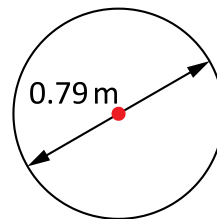
Calculate the area.



Area = m²
12

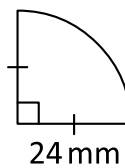
Q5

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



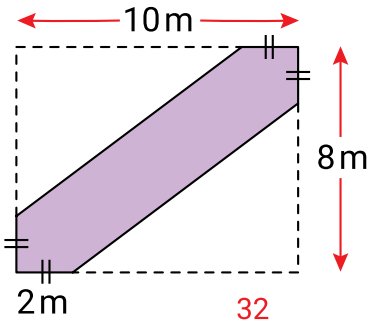
Area = m²
0.5

Q6



Area = mm² (1 d.p.)
452.4

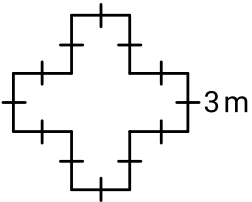
Q7



Shaded area = m²

Q8

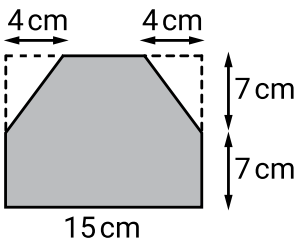
Find the area.



Area = m² 45 m²

Q9

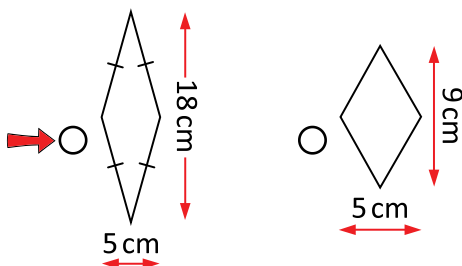
Find the area.



Area = cm² 182 cm²

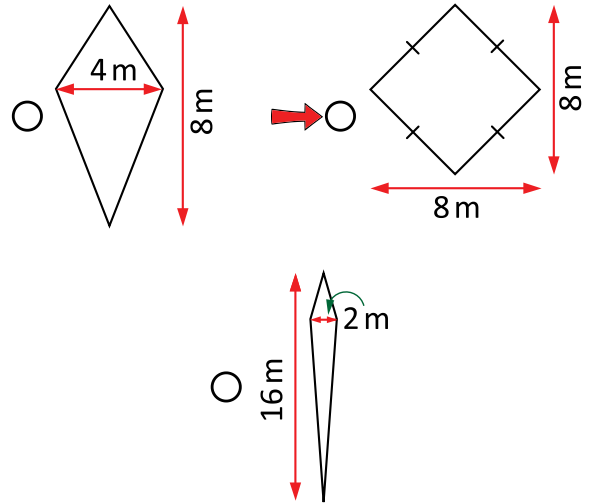
Q10

Which rhombus has an area of 45 cm²?



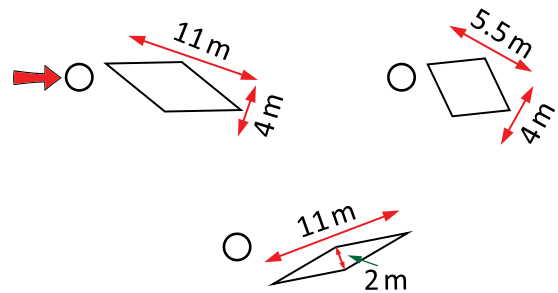
Q11

Which kite has an area of 32 m²?



Q12

Which rhombus has an area of 22 m²?



Q13

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

Area = mm²
615.8

Q14

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

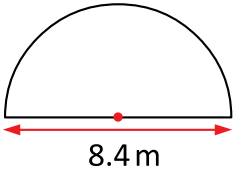
Area = m²
6.6

Q15

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

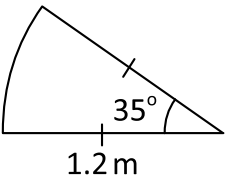
- $\pi \times 3$
- $\pi \times 6 \times \pi \times 6$
- $\pi \times 6^2$
- $\pi \times 3 \times 3$

Q16



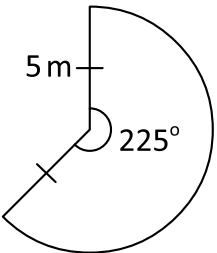
Area = m² (1 d.p.)
27.7

Q17



Area = m² (1 d.p.)
0.4

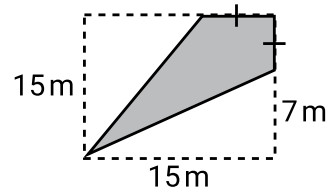
Q18



Area = m² (1 d.p.)
49.1

Q19

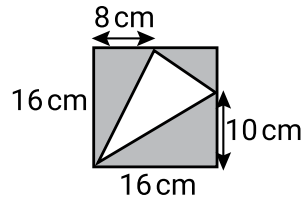
Find the shaded area.



Area = m² **120 m²**

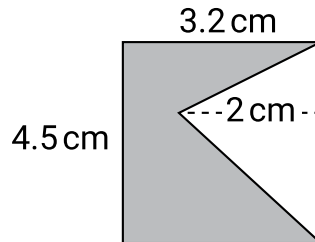
Q20

Find the shaded area.



Shaded Area = cm² **168 cm²**

Q21



Shaded Area = cm² **9.9**

Q22

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

Area = cm²
110.5

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^2
216

Q24

The area of a kite is 15 cm^2 . One diagonal is 10 cm. What is the length of the other diagonal?

Length = cm
3

Q25

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

Area = cm^2
795.8

Q26

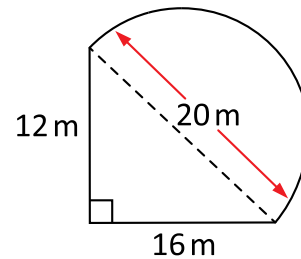
The area of a circle is 14.8 m^2 . Find the diameter of the circle correct to 1 decimal place.

Diameter = m
4.3

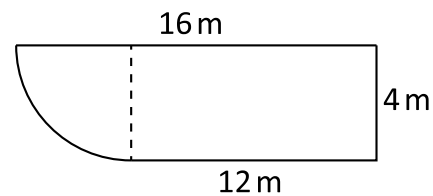
Q27

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^2 (1 d.p.)
253.1

Q29

Area = m^2 (1 d.p.)
60.6

Q30

Find the shaded area.



Area = m^2 (1 d.p.)
30.9