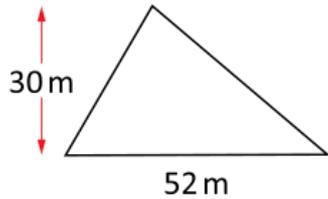# Year 7 Class 8 questions

Q1

The area of a rectangular floor is 2418.6 m².
If the length is 58 m, find its width.

Width = ☐ m

Q2

30 m
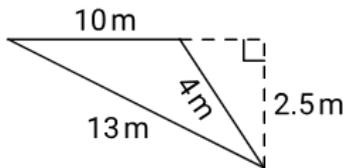
52 m

Area = ☐ m²

Q3

Find the area.

10 m

4 m

13 m

2.5 m

Area = ☐ m²

Q4

12 m

13 m

12 m

13 m
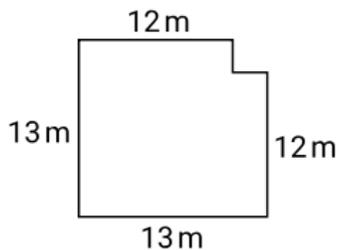
Area = ☐ m²

Q5

Find the area.

18 m

14 m

10 m

6 m
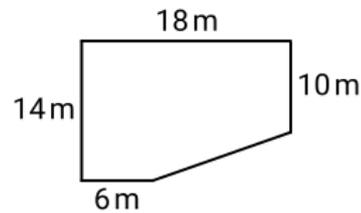
Area = ☐ m²

Q6

Find the area of this parallelogram.

6.2 m

9.3 m
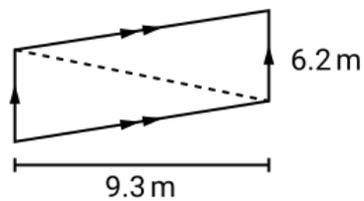
Area = ☐ m²

Q7
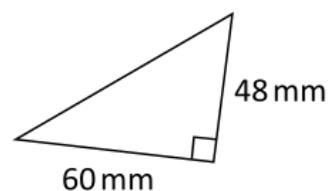
A square paddock has an area of 7140.25 m².
How long is each side?

☐ m

Q8

A door is 95 cm wide and 2.1 m high.
Find the area in m².

☐

Q9

48 mm

60 mm

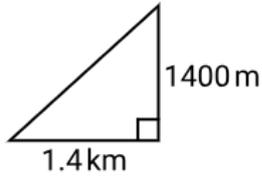Area = ☐ mm²

Q10

41 cm

20 cm
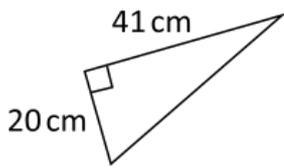
Area = ☐ cm²

Q11

Find the area of this triangle.

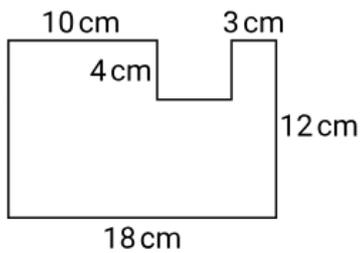1400 m

1.4 km

Area = ☐ km²

Q12

A triangular sail for a boat has height 3.5 m and base 8.2 m.
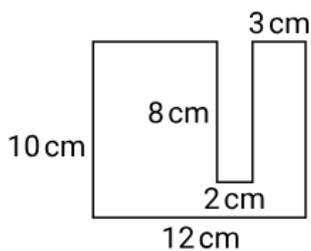
What is the area of material needed to make this sail?
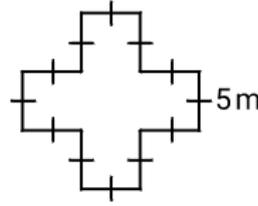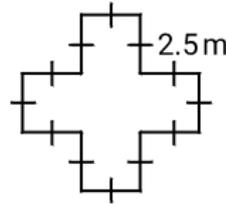
Area = ☐ m²

Q13

10 cm   3 cm

4 cm

12 cm

18 cm

Area = ☐ cm²

Q14

3 cm

8 cm

10 cm

2 cm

12 cm

Area = ☐ cm²

Q15

Find the area.

5 m

Area = ☐ m²

Q16

Find the area.

2.5 m

Area = ☐ m²

Q17
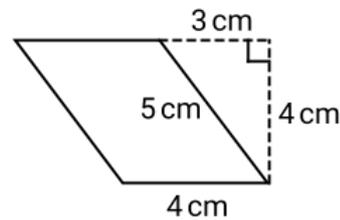
Find the area.

1.5 m   1 m

2 m
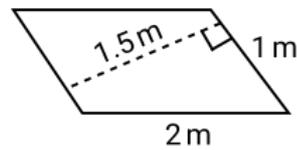
Area = ☐ m²

Q18

Find the area.

3 cm

5 cm   4 cm

4 cm

Area = ☐ cm²

Q19

A rectangular pathway is 8.5 m long and 1.4 m wide. Pavers costing $65 per square metre are purchased to cover it.

What is the area of the pathway?

Area = [ ] m²

What is the cost of the pavers required to cover the pathway?

Cost = $[ ]

Q20

A rectangular park is 24 m long and 21.5 m wide. New turf costing $7.25 per square metre is purchased to cover it.
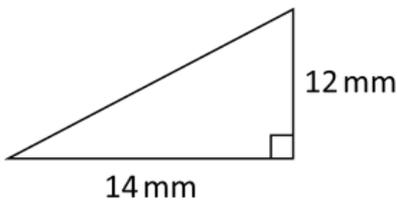
What is the area of the park?

Area = [ ] m²

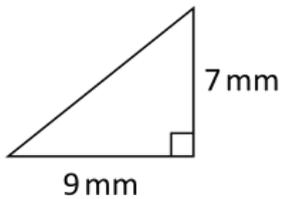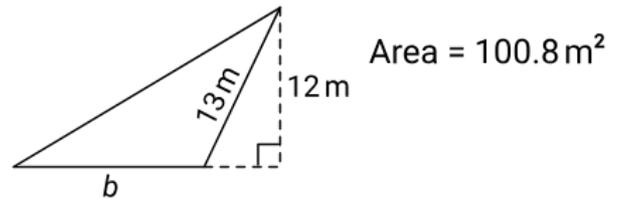What is the cost of the turf required to cover the park?

Cost = $[ ]

Q21

12 mm

14 mm

Area = [ ] mm²

Q22

7 mm

9 mm

Area = [ ] mm²

Q23

Find the missing length in this triangle.

13 m   12 m   Area = 100.8 m²

b

b = [ ] m

Q24

Find the missing length in this triangle.

1.7 km   1.5 km   Area = 0.6 km²

b

b = [ ] km

Q25

8 m

12 m

4 m

Area = [ ] m²

Q26

12 m

12 m
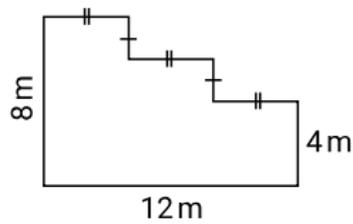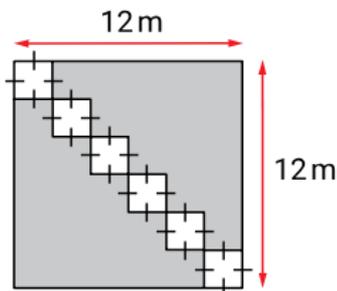
Shaded Area = [ ] m²

Q27

Find the shaded area.

4 cm

10 cm

5 cm

10 cm
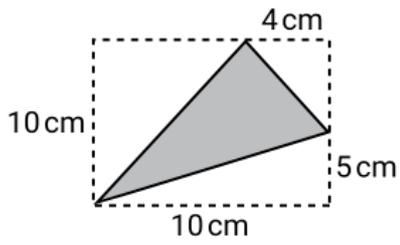
Area = ☐ cm²

Q28

Find the shaded area.

6.4 m

5.2 m

6.4 m
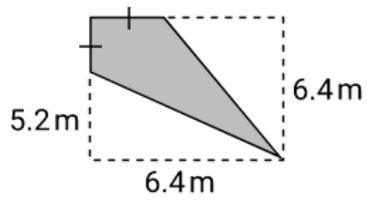
Area = ☐ m²

Q29

Find the value of h.

h

1.6 km   Area = 0.64 km²
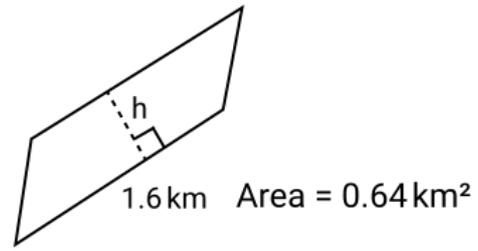
h = ☐ km

Q30

Find the value of h.

h   Area = 72 cm²

4 cm

h = ☐ cm