Year 8 Class 22 questions

Q1

What is the best estimate for the area of a computer monitor?

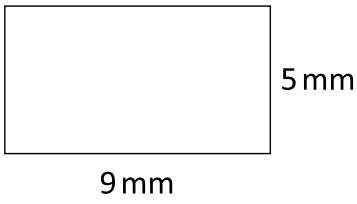
- ○ 1.8 m²
- ○ 1800 cm² ➔
- ○ 1800 m²
- ○ 1800 mm²

Q2

What is the best estimate for the area of a school desk top?

- ○ 0.6 m² ➔
- ○ 0.6 cm²
- ○ 6 m²
- ○ 60 cm²

Q3

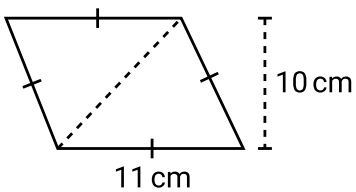


Area = [ ] mm²

45

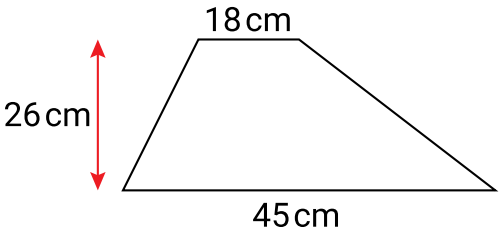
Q4

Find the area of this parallelogram.



Area = [ ] cm² 110 cm²

Q5



Area = [ ] cm² 819

Q6

Complete the conversion.

3000 mL = [ ] L

3

Q7

Complete the conversion.

4 cm² = [ ] mm²

400

Q8

Complete the conversion.

12 cm² = [ ] mm²

1200

Q9

Complete the conversion.

54 mm² = [ ] cm²

0.54

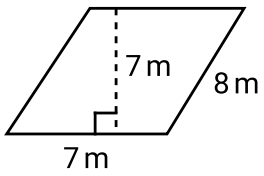
Q10

The area of a rectangle is 2451 m².
If the length is 64.5 m, find its width.

Width = [ ] m 38 m

Q11

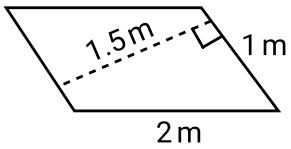
Find the area.



Area = ☐ m² 49 m²

Q12

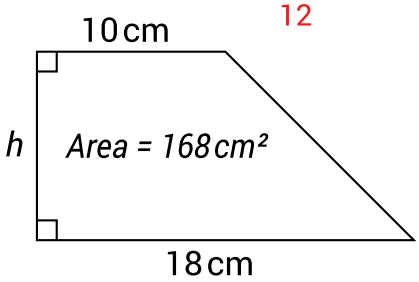
Find the area.



Area = ☐ m² 1.5 m²

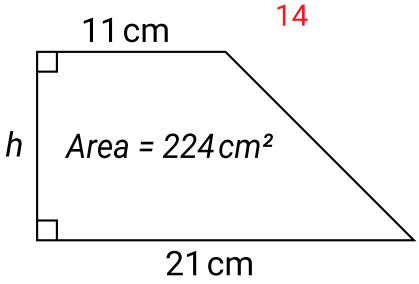
Q13

Find *h*. ☐ cm
12



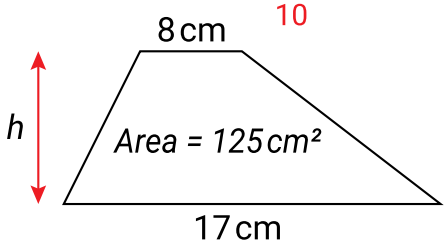
Q14

Find *h*. ☐ cm
14



Q15

Find *h*. ☐ cm
10



Q16

Complete the conversion.

1 000 000 cm³ = ☐ m³
1

Q17

Complete the conversion.

2 m³ = ☐ cm³
2 000 000

Q18

Complete the conversion.

7.2 kL = ☐ m³
7.2

Q19

Complete the conversion.

2.5 m² = ☐ mm²
2 500 000

Q20

Complete the conversion.

25 ha = ☐ m²
250 000

Q21

Complete the conversion.

65 ha = [ ] km²

0.65

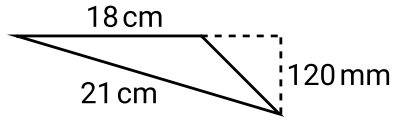
Q22

A footpath is 90 cm wide and 9.2 m long.
Find the area in m².

[ ] 8.28

Q23

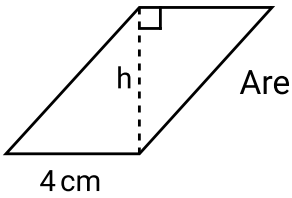
Find the area of this triangle.



Area = [ ] cm² 108 cm²

Q24

Find the value of h.

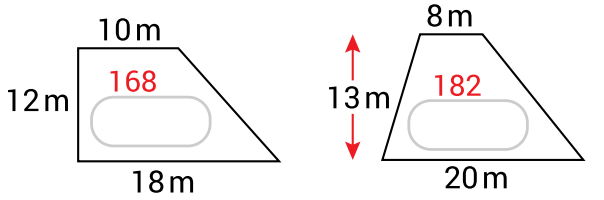


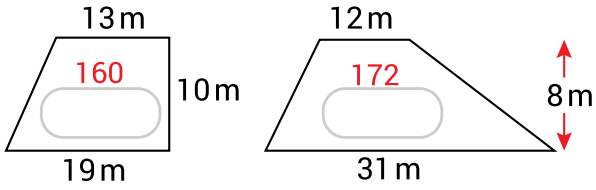
Area = 72 cm²

h = [ ] cm 18 cm

Q25

Match the trapeziums with their area.
Diagrams are not drawn to scale.

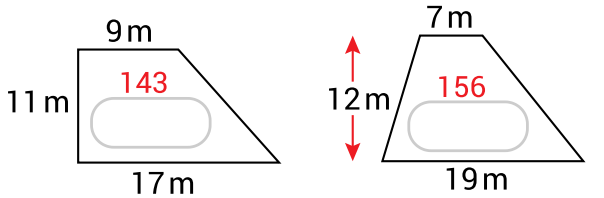


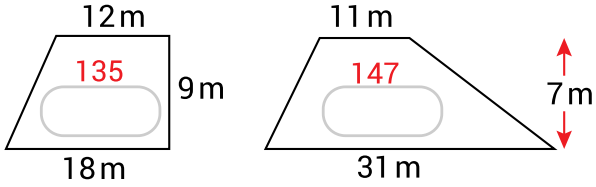


182 m² 172 m² 168 m² 160 m²

Q26

Match the trapeziums with their area.
Diagrams are not drawn to scale.

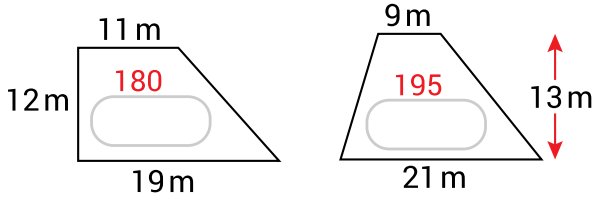


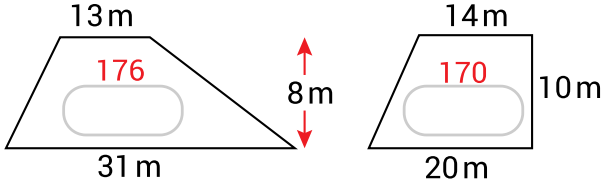


156 m² 147 m² 143 m² 135 m²

Q27

Match the trapeziums with their area.
Diagrams are not drawn to scale.





170 m² 180 m² 176 m² 195 m²

Q28

Complete the conversion.

3 ML = [ ] kL

3000

Q29

Complete the conversion.

2.5 m^3 = [ ] mm^3

2 500 000 000

Q30

Complete the conversion.

3 200 000 cm^3 = [ ] kL

3.2