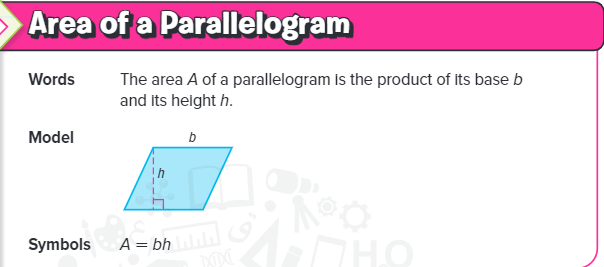
**Review\_ CSA 2021**

Chapter 9: Area



Graphical user interface, text, application, email

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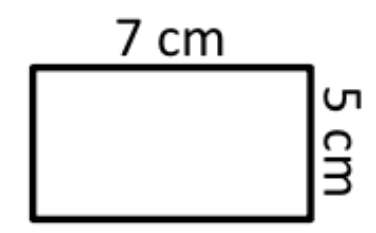
**Review questions**

1. **Find the area**

Rectangle

Description automatically generated with medium confidence

1. 430 in2
2. 215 in2
3. 41.5 in2
4. 1.5 in2
5. **When finding the area of a parallelogram, you should-**
6. When finding the area of a parallelogram, you should-
7. Multiply the base and height, then divide by two
8. Find the sum of the base and height
9. Find the product of the base and height
10. **Find the area of a parallelogram with a base of 1.9 m and a height of 20 m**
11. 38 m
12. 83 m2
13. 3.8 m2
14. 38 m2
15. **A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a quadrilateral with two sets of parallel sides.**
16. Trapezoid
17. Parallelogram
18. Kite
19. Triangle
20. **Find the area of a parallelogram with a base of 30 m and a height of 25 m**
21. 750 m2
22. 375 m2
23. 705 m2
24. 110 m2
25. **What is the area?**



1. 35 cm
2. 30 cm
3. 35 sq cm
4. 12 cm
5. **Write the equation to solve for the Area of a Parallelogram. Then use it to find the missing dimension.**

Chart

Description automatically generated

1. 6cm
2. 7cm
3. 4cm
4. 5cm
5. **Write the equation to solve for the Area of a Parallelogram. Then use it to find the missing dimension.**

Chart, funnel chart

Description automatically generated

1. 17yd
2. 19yd
3. 18yd
4. 20yd

Text

Description automatically generated

Review questions

1. Find the area:

Chart, line chart

Description automatically generated

1. 4 km2
2. 16 km2
3. 64 km2
4. 8 km2
5. **Area of triangle?**

A picture containing diagram

Description automatically generated

1. 17 units2
2. 20 units2
3. 10 units2
4. 16 units2
5. **Find the area of this triangle.**

Shape, arrow

Description automatically generated with medium confidence

1. 150 ft2
2. 100 ft2
3. 50 ft2
4. 35 ft2
5. **Area?**

Diagram

Description automatically generated

1. 12 in sq
2. 12 in
3. 24 in sq
4. 6 in sq
5. **Area or triangle?**

A picture containing text, device

Description automatically generated

1. 20 cm2
2. 56 cm2
3. 28 cm2
4. 27 cm2

Text

Description automatically generated

Graphical user interface, application

Description automatically generated

1. **Write the equation to solve for the Area of a Triangle. Then use it to find the missing dimension.**

Diagram

Description automatically generated

1. 3in.
2. 9in.
3. 4in.
4. 5in.
5. **Write the equation to solve for the Area of a Triangle. Then use it to find the missing dimension.**

Chart, pie chart

Description automatically generated

1. 12yd.
2. 3yd.
3. 9yd
4. 8yd

Graphical user interface, text

Description automatically generated

A picture containing diagram

Description automatically generated

**Review Questions**

1. **What is the total length of the bases?**

Chart, line chart

Description automatically generated with medium confidence

1. 26 cm
2. 34 cm
3. 36 cm
4. **What is the height of this trapezoid?**

Chart, line chart

Description automatically generated

1. 12 cm
2. 14 cm
3. 22 cm
4. **What is the area of this trapezoid?**

A picture containing chart

Description automatically generated

1. 216 cm2
2. 204 cm2
3. 156 cm2
4. **What is the area of this trapezoid?**

A picture containing diagram

Description automatically generated

1. 14.25 m2
2. 17.25 m2
3. 22.5 m2
4. **What is the area of this trapezoid?**

Diagram

Description automatically generated

1. 20 in2
2. 24 in2
3. 28 in2

Text

Description automatically generated

1. The trapezoid has an area of 108 square meters. Find the height.

Graphical user interface, application

Description automatically generated

1. 16
2. 24
3. 8
4. 12

Shape, polygon

Description automatically generated

A picture containing graphical user interface

Description automatically generated

**Review Questions**

1. **What happens to the perimeter of a square if the sides are halved?**
2. Doubles
3. Halved
4. Quadrupled
5. Forthed
6. **When multiplying by a scale factor the perimeter will multiply by...**
7. The same scale factor
8. The scale factor doubled
9. The scale factor squared (to the power of 2)
10. **A rectangle has a base 4 ft and height of 5 feet. If the figure dilated by a scale factor of 2, what will be true about its perimeter?**
11. The perimeter is doubled.
12. The perimeter is quadrupled.
13. The perimeter is two more.
14. The perimeter is four more.
15. **A figure is multiplied by the scale factor 1/4. What will be the change in perimeter?**
16. The perimeter will be 1/4 the original perimeter.
17. The perimeter will be 1/8 the original perimeter.
18. The perimeter will be 1/16 the original perimeter

Graphical user interface, application

Description automatically generated

1. **If a rectangle is drawn and another rectangle is drawn so that the sides are twice as big as the first rectangle, what happens to the area?**
2. Doubles
3. Triples
4. Quadruples
5. not enough information
6. **If a rectangle has an area of 48 cm2, what would be the area of a similar rectangle if the dimensions are doubled?**
7. 96 cm2
8. 192 cm2
9. 216 cm2
10. 2304 cm2
11. A stop sign is in the shape of a regular octagon. Sign A shown at the right has an area of 310 square inches. What is the area of sign B?

A red and white stop sign

Description automatically generated with low confidence

1. 697.5
2. 400
3. 48
4. The side lengths of the triangle at the right are multiplied by 5. What effect would this have on the area? Justify your answer.

Icon

Description automatically generated

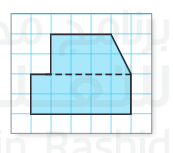
1. 25 times bigger than original
2. 5 times bigger than original
3. 10 times bigger than original

Graphical user interface, text, application

Description automatically generated

**Review Questions**

1. A rectangle has vertices A (2, 8), B(7, 8), C(7, 5), and D(2, 5). Use the coordinates to find the length of each side. Then find the perimeter of the rectangle.
2. 16 units
3. 14 units
4. 32 units
5. 18 units
6. Rectangle ABCD has vertices A(2, 1), B(2, 5), C(4, 5), and D(4, 1). Use the coordinates to find the length of each side. Then find the perimeter of the rectangle.
7. 12 units
8. 14 units
9. 18 units
10. 20 units
11. Find the area of the figure in square units



1. 34
2. 17
3. 19
4. 21
5. A figure has vertices A(2, 5), B(2, 8), and C(5, 8). Graph the figure and then find the area.
6. 4.5
7. 9
8. 18
9. 36nm

Graphical user interface, text, application, email

Description automatically generated

1Diagram

Description automatically generated

**Review Questions**

1. **What is the area of the shaded region?**

Chart, waterfall chart

Description automatically generated

1. 20 sq cm
2. 4 sq cm
3. 30 sq cm
4. 24 sq cm
5. **What is the area of the composite figure?**

Diagram, shape, rectangle

Description automatically generated

1. 48 cm2
2. 90 cm2
3. 78 cm2
4. 12 cm2
5. **Find the area of the composite figure**

Diagram

Description automatically generated with low confidence

1. 40
2. 9
3. 49
4. 61
5. **What is the area of the figure?**

Diagram

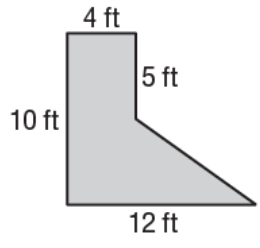
Description automatically generated

1. 48 ft2
2. 216 ft2
3. 65 ft2
4. 128 ft2
5. **Find the area of the figure shown.**

Shape, rectangle

Description automatically generated

1. 34 units2
2. 960 units2
3. 220 units2
4. 480 units2
5. **Find the area of the figure.**



1. 31 ft2
2. 40 ft2
3. 60 ft2
4. 80 ft2
5. **What is the area of the composite shape?**

A picture containing text, clipart

Description automatically generated

1. 50cm2
2. 25cm2
3. 40cm2
4. 35cm2

Text

Description automatically generated with medium confidence

Graphical user interface, text, application, website

Description automatically generated

1. Find the area of the figure:

Chart

Description automatically generated

1. 65
2. 75
3. 100
4. 90