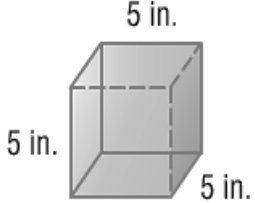
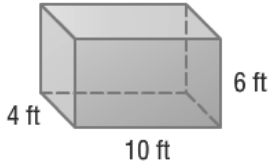


Volume

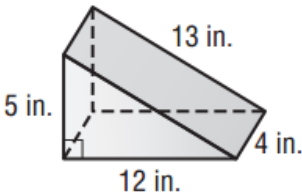
Cube:

Tips and Hints	Example
$V = s^3$	Find the volume:  A 3D diagram of a cube. The top edge is labeled '5 in.', the front-left vertical edge is labeled '5 in.', and the bottom-right receding edge is labeled '5 in.'.

Rectangular Prism:

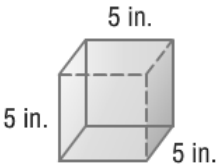
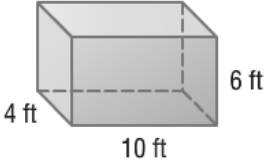
Tips and Hints	Example
$V = Bh$ or $V = lwh$	Find the volume:  A 3D diagram of a rectangular prism. The front-bottom edge is labeled '10 ft', the front-left vertical edge is labeled '4 ft', and the right vertical edge is labeled '6 ft'.

Triangular Prism:

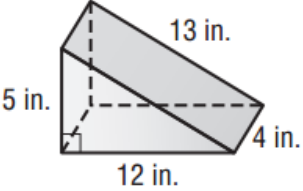
Tips and Hints	Example
<ul style="list-style-type: none">• $V = Bh$• Find the area of the base (a triangle, $A = \frac{1}{2}bh$), then multiply by the height of the prism	Find the volume:  A 3D diagram of a triangular prism. The base is a right-angled triangle with a horizontal base of '12 in.' and a vertical height of '5 in.'. The hypotenuse of the base is labeled '13 in.'. The length of the prism is labeled '4 in.'.

Surface Area

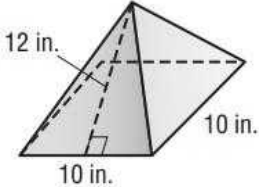
Rectangular Prism and Cube:

Tips and Hints	Example
<ul style="list-style-type: none"> Find the area of all 6 surfaces, then add them together Draw each surface to help you Rectangle: $SA = 2lw + 2lh + 2wh$ Cube: $SA = 6s^2$ 	<p>Find the surface area:</p> <p>1.  5 in. 5 in. 5 in.</p> <p>2.  4 ft 10 ft 6 ft</p>

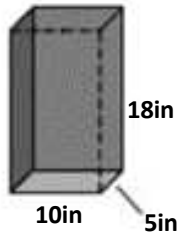
Triangular Prism:

Tips and Hints	Example
<ul style="list-style-type: none"> Find the area of all surfaces, then add them together Don't forget, the area of a triangle is found by using $A = \frac{1}{2}bh$ Draw each surface to help you 	<p>Find the surface area:</p> 

Pyramid:

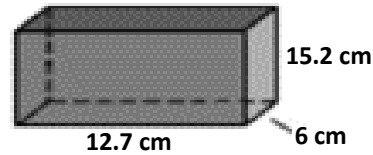
Tips and Hints	Example
<ul style="list-style-type: none"> Find the area of all surfaces, then add them together Don't forget, the area of a triangle is found by using $A = \frac{1}{2}bh$. Use the slant height for this! Draw each surface to help you 	<p>Find the surface area:</p> 

1. Find the volume of the rectangular prism



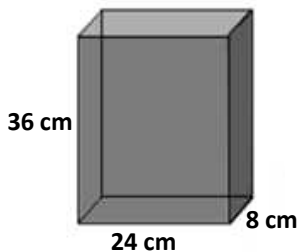
- A. 33 in³
- B. 90 in³
- C. 900 in³
- D. 50 in³

2. Find the volume of the rectangular prism. Round the answer to the nearest tenth



- A. 457.2 cm³
- B. 1,158.2 cm³
- C. 193.0 cm³
- D. 1,386.2 cm³

3. What is the volume of the shipping container shown?

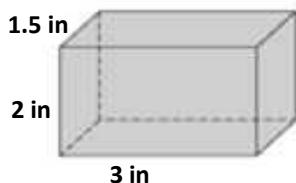


- A. 6,912 cubic centimeters
- B. 108 cubic centimeters
- C. 864 cubic centimeters
- D. 3,456 cubic centimeters

4. What is the volume of a shoebox that measures 14 inches by 8 inches by 8 inches?

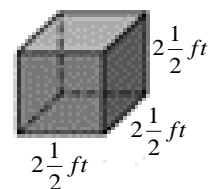
- A. 176 in³
- B. 896 in³
- C. 112 in³
- D. 224 in³

5. Find the volume of the rectangular prism.



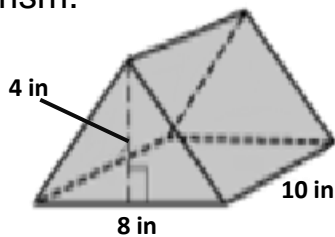
- A. 81 in³
- B. 12 in³
- C. 9 in³
- D. 18 in³

6. Find the surface area of the rectangular prism



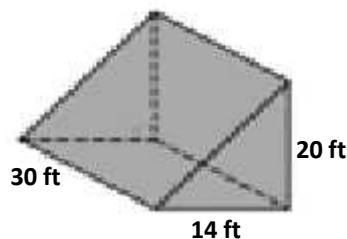
- A. 25 ft²
- B. 37 $\frac{1}{2}$ ft²
- C. 12 $\frac{1}{2}$ ft²
- D. 6 $\frac{1}{4}$ ft²

7. Find the volume of the triangular prism.



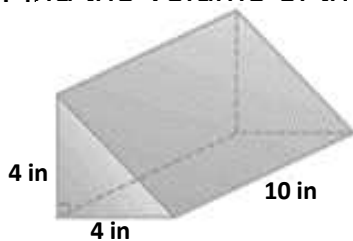
- A. 160 cubic inches
- B. 320 cubic inches
- C. 80 cubic inches
- D. 640 cubic inches

8. Find the volume of the prism below.



- A. 5600 ft³
- B. 6400 ft³
- C. 4200 ft³
- D. 4800 ft³

9. Find the volume of the prism.

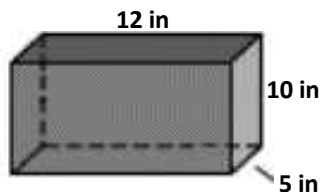


- A. 160 in³
- B. 80 in³
- C. 18 in³
- D. 26 in³

10. The base of a right prism has an area of 10 square feet. The height of the prism is 6 feet. What is its volume?

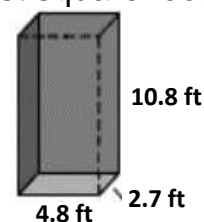
- A. 60 ft³
- B. 360 ft³
- C. 120 ft³
- D. 180 ft³

11. Find the surface area of the rectangular prism



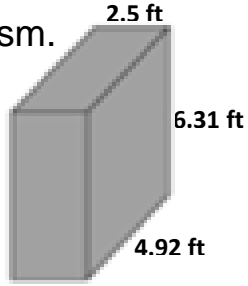
- A. 220 in²
- B. 340 in²
- C. 360 in²
- D. 460 in²

12. Find the surface area of the rectangular prism. Round to the nearest square foot.



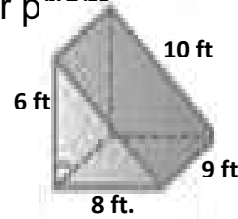
- A. 58 ft²
- B. 26 ft²
- C. 188 ft²
- D. 104 ft²

13. Find the surface area of the rectangular prism.



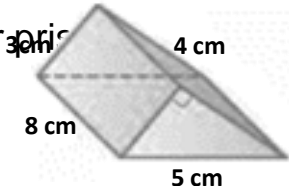
- A. $\circ 60 \text{ ft}^2$
- B. $\circ 84 \text{ ft}^2$
- C. $\circ 104 \text{ ft}^2$
- D. $\circ 52 \text{ ft}^2$

14. Find the surface area of the triangular prism.



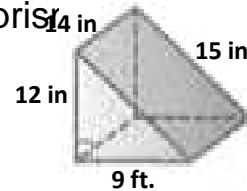
- A. $\circ 174 \text{ ft}^2$
- B. $\circ 132 \text{ ft}^2$
- C. $\circ 264 \text{ ft}^2$
- D. $\circ 312 \text{ ft}^2$

15. Find the surface area of the triangular prism.



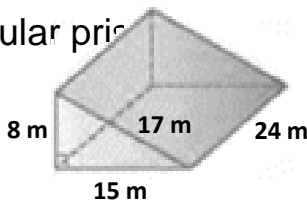
- A. $\circ 63 \text{ cm}^2$
- B. $\circ 108 \text{ cm}^2$
- C. $\circ 120 \text{ cm}^2$
- D. $\circ 136 \text{ cm}^2$

16. Find the surface area of the triangular prism.



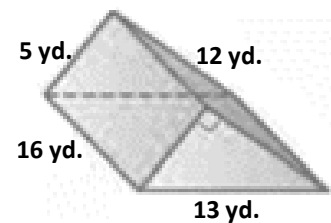
- A. $\circ 612 \text{ in}^2$
- B. $\circ 306 \text{ in}^2$
- C. $\circ 720 \text{ in}^2$
- D. $\circ 402 \text{ in}^2$

17. Find the surface area of the triangular prism.



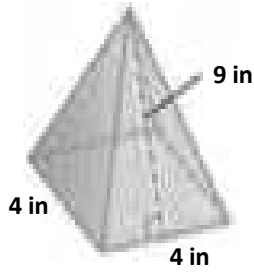
- A. $\circ 540 \text{ m}^2$
- B. $\circ 1,080 \text{ m}^2$
- C. $\circ 1,200 \text{ m}^2$
- D. $\circ 672 \text{ m}^2$

18. Find the surface area of the triangular prism.



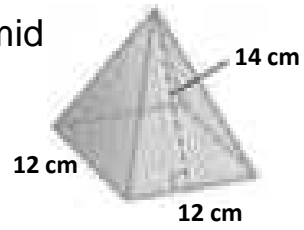
- A. $\circ 270 \text{ yd}^2$
- B. $\circ 610 \text{ yd}^2$
- C. $\circ 540 \text{ yd}^2$
- D. $\circ 600 \text{ yd}^2$

19. Find the surface area of the pyramid



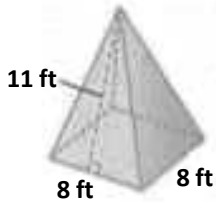
- A. $\circ 72 \text{ in}^2$
- B. $\circ 88 \text{ in}^2$
- C. $\circ 70 \text{ in}^2$
- D. $\circ 106 \text{ in}^2$

20. Find the surface area of the pyramid



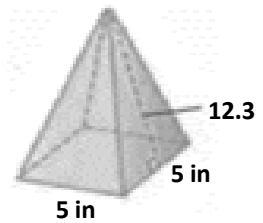
- A. $\circ 336 \text{ cm}^2$
- B. $\circ 480 \text{ cm}^2$
- C. $\circ 396 \text{ cm}^2$
- D. $\circ 564 \text{ cm}^2$

21. Find the surface area of the pyramid.



- A. $\circ 176 \text{ ft}^2$
- B. $\circ 284 \text{ ft}^2$
- C. $\circ 240 \text{ ft}^2$
- D. $\circ 196 \text{ ft}^2$

22. Find the surface area of the pyramid



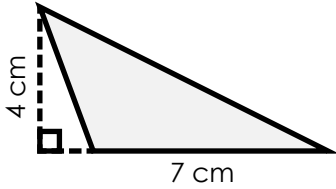
- A. $\circ 148 \text{ in}^2$
- B. $\circ 123 \text{ in}^2$
- C. $\circ 117.25 \text{ in}^2$
- D. $\circ 178.75 \text{ in}^2$

Name: _____

Area of a Triangle

To find the area of a triangle, use the formula **area = $\frac{1}{2}$ x base x height** or **$A = \frac{1}{2} \times b \times h$** .

example:



$$A = \frac{1}{2} \times b \times h$$

$$\text{base} = 7 \text{ cm}$$

$$\text{height} = 4 \text{ cm}$$

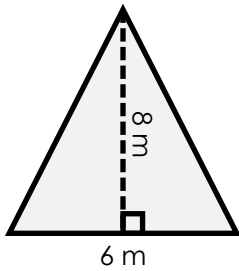
$$A = \frac{1}{2} \times 7 \text{ cm} \times 4 \text{ cm}$$

$$A = \frac{1}{2} \times 28 \text{ cm}^2$$

$$A = 14 \text{ cm}^2$$

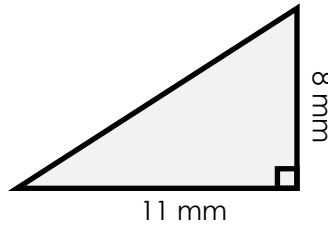
Find the area of each triangle.

a.



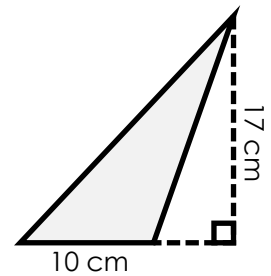
area = _____

b.



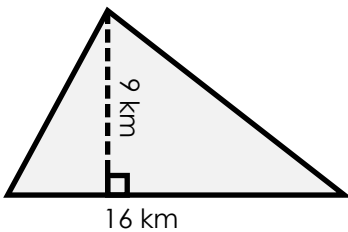
area = _____

c.



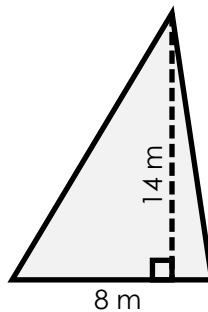
area = _____

d.



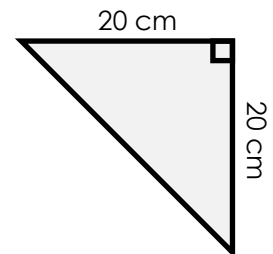
area = _____

e.



area = _____

f.



area = _____

Find the area of a triangle using the base and height measurements.

g.

$$b = 14 \text{ meters}$$
$$h = 20 \text{ meters}$$

h.

$$b = 10 \text{ centimeters}$$
$$h = 15 \text{ centimeters}$$

i.

$$b = 7 \text{ kilometers}$$
$$h = 22 \text{ kilometers}$$

area = _____

area = _____

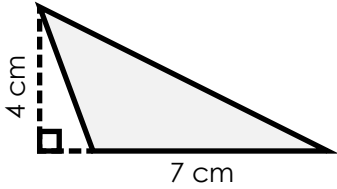
area = _____

ANSWER KEY

Area of a Triangle

To find the area of a triangle, use the formula **area** = $\frac{1}{2} \times \text{base} \times \text{height}$ or **A** = $\frac{1}{2} \times b \times h$.

example:



$$A = \frac{1}{2} \times b \times h$$

$$\text{base} = 7 \text{ cm}$$

$$\text{height} = 4 \text{ cm}$$

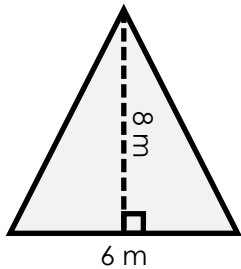
$$A = \frac{1}{2} \times 7 \text{ cm} \times 4 \text{ cm}$$

$$A = \frac{1}{2} \times 28 \text{ cm}^2$$

$$A = 14 \text{ cm}^2$$

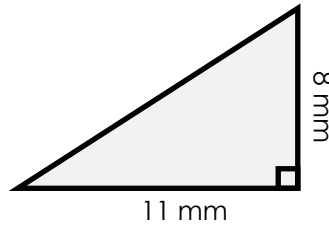
Find the area of each triangle.

a.



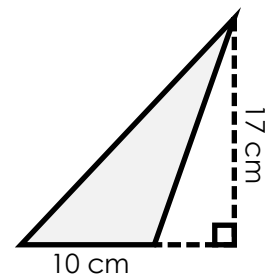
$$\text{area} = \underline{24 \text{ m}^2}$$

b.



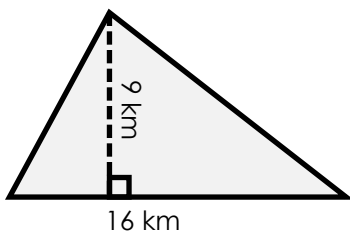
$$\text{area} = \underline{44 \text{ mm}^2}$$

c.



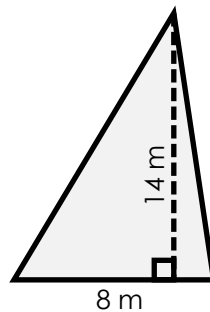
$$\text{area} = \underline{85 \text{ cm}^2}$$

d.



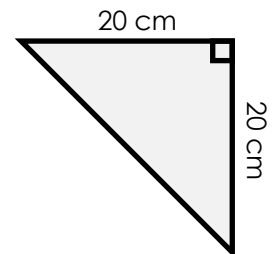
$$\text{area} = \underline{72 \text{ km}^2}$$

e.



$$\text{area} = \underline{56 \text{ m}^2}$$

f.



$$\text{area} = \underline{200 \text{ cm}^2}$$

Find the area of a triangle using the base and height measurements.

g.

$$b = 14 \text{ meters}$$
$$h = 20 \text{ meters}$$

h.

$$b = 10 \text{ centimeters}$$
$$h = 15 \text{ centimeters}$$

i.

$$b = 7 \text{ kilometers}$$
$$h = 22 \text{ kilometers}$$

$$\text{area} = \underline{140 \text{ m}^2}$$

$$\text{area} = \underline{75 \text{ cm}^2}$$


$$\text{area} = \underline{77 \text{ km}^2}$$

Name: _____

Area of a Triangle

To find the area of a triangle, use the formula **area = $\frac{1}{2}$ x base x height** or **A = $\frac{1}{2}$ x b x h**.

example:



4 cm
70 mm

$A = \frac{1}{2} \times b \times h$

base = 70 mm (7 cm)

height = 4 cm

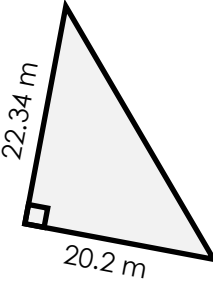
$A = \frac{1}{2} \times 7 \text{ cm} \times 4 \text{ cm}$

$A = \frac{1}{2} \times 28 \text{ cm}^2$

$A = 14 \text{ cm}^2$

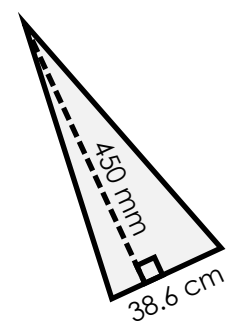
Find the area of each triangle. Some triangles have mixed units.

a.



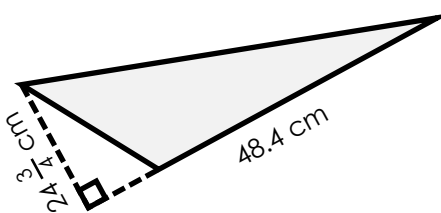
area = _____

b.



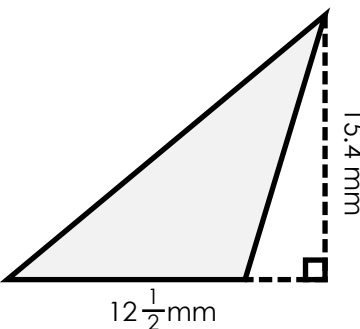
area = _____

c.



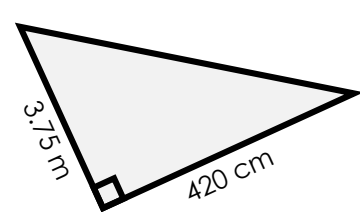
area = _____

d.



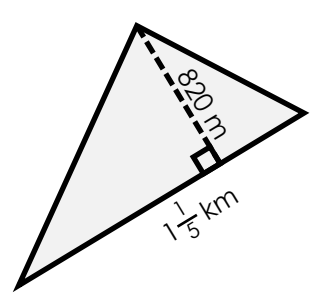
area = _____

e.



area = _____

f.



area = _____

Find the area of each triangle using the base and height measurements.

g. **b** = 75.33 meters
 h = 68 meters

area = _____

h. **b** = 47.2 centimeters
 h = 595 millimeters

area = _____

i. **b** = .875 meters
 h = 92 centimeters

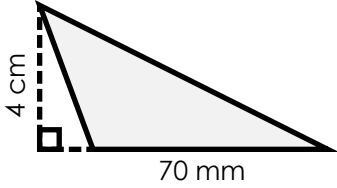
area = _____

ANSWER KEY

Area of a Triangle

To find the area of a triangle, use the formula **area** = $\frac{1}{2} \times \text{base} \times \text{height}$ or **A** = $\frac{1}{2} \times b \times h$.

example:



$$A = \frac{1}{2} \times b \times h$$

$$\text{base} = 70 \text{ mm (7 cm)}$$

$$\text{height} = 4 \text{ cm}$$

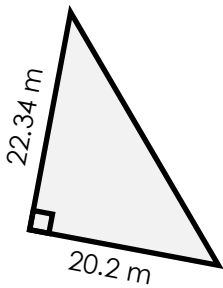
$$A = \frac{1}{2} \times 7 \text{ cm} \times 4 \text{ cm}$$

$$A = \frac{1}{2} \times 28 \text{ cm}^2$$

$$A = 14 \text{ cm}^2$$

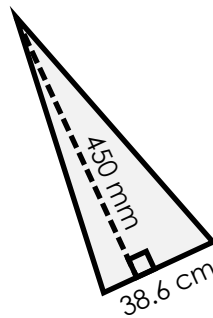
Find the area of each triangle. Some triangles have mixed units.

a.



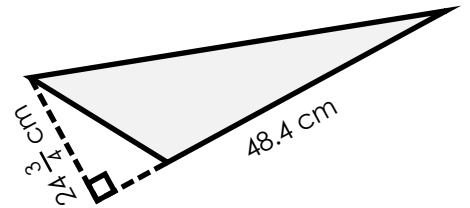
$$\text{area} = \underline{225.634 \text{ m}^2}$$

b.



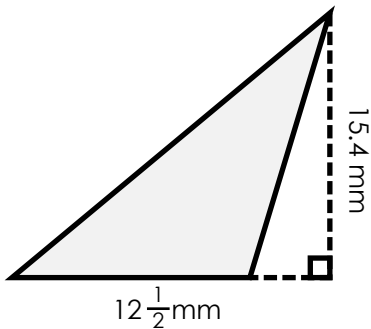
$$\text{area} = \underline{868.5 \text{ cm}^2 \text{ or } 86,850 \text{ mm}^2}$$

c.



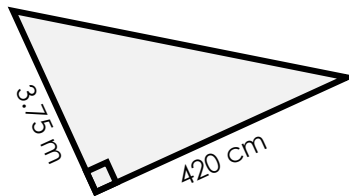
$$\text{area} = \underline{598.95 \text{ cm}^2}$$

d.



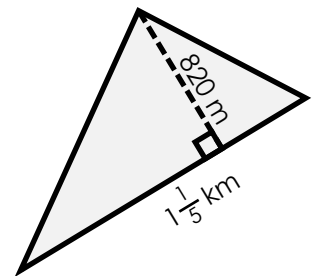
$$\text{area} = \underline{96.25 \text{ mm}^2}$$

e.



$$\text{area} = \underline{7.875 \text{ m}^2 \text{ or } 78,750 \text{ cm}^2}$$

f.



$$\text{area} = \underline{0.492 \text{ km}^2 \text{ or } 492,000 \text{ m}^2}$$

Find the area of each triangle using the base and height measurements.

g. $b = 75.33 \text{ meters}$
 $h = 68 \text{ meters}$

h. $b = 47.2 \text{ centimeters}$
 $h = 595 \text{ millimeters}$

i. $b = .875 \text{ meters}$
 $h = 92 \text{ centimeters}$

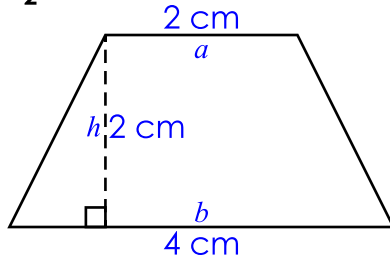
$$\text{area} = \underline{2,561.22 \text{ m}^2} \quad \text{area} = \underline{1,404.2 \text{ cm}^2 \text{ or } 140,420 \text{ mm}^2} \quad \text{area} = \underline{0.4025 \text{ m}^2 \text{ or } 4,025 \text{ cm}^2}$$

Name: _____

Area of a Trapezoid

The formula for finding the area of a trapezoid is **Area = $\frac{1}{2} \times \text{height} \times (\text{base } a + \text{base } b)$** .
This is written as **$A = \frac{1}{2}h(a + b)$** .

Example:



$$A = \frac{1}{2}h(a + b)$$

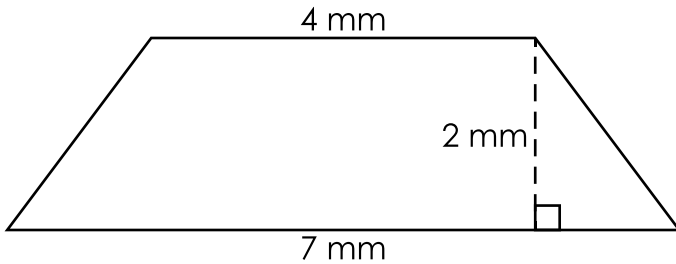
$$A = \frac{1}{2} \times 2 \text{ cm}(2 \text{ cm} + 4 \text{ cm})$$

$$A = \frac{1}{2} \times 2 \text{ cm}(6 \text{ cm})$$

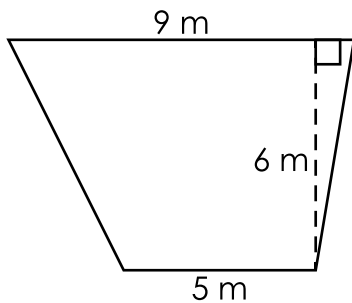
$$A = 1 \text{ cm}(6 \text{ cm})$$

$$A = 6 \text{ cm}^2$$

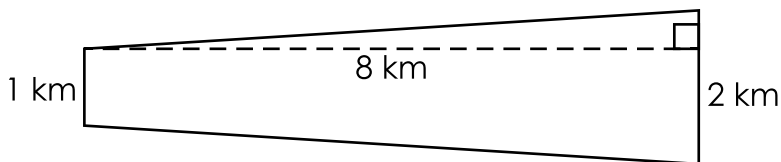
Find the areas of the trapezoids.



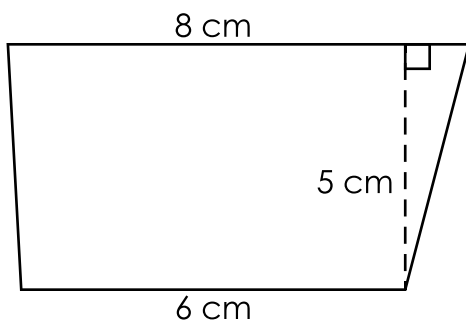
$$A = \underline{\hspace{2cm}}$$



$$A = \underline{\hspace{2cm}}$$



$$A = \underline{\hspace{2cm}}$$



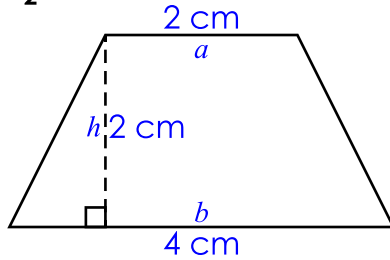
$$A = \underline{\hspace{2cm}}$$

ANSWER KEY

Area of a Trapezoid

The formula for finding the area of a trapezoid is **Area = $\frac{1}{2}$ × height × (base a + base b)**.
This is written as **$A = \frac{1}{2}h(a + b)$** .

Example:



$$A = \frac{1}{2}h(a + b)$$

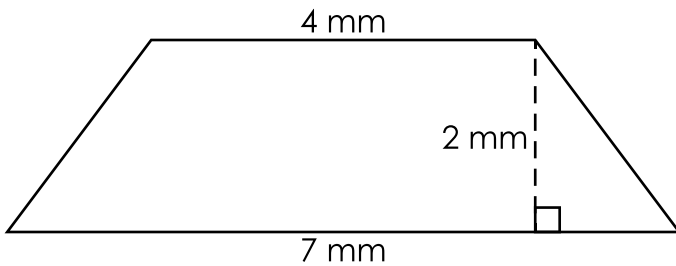
$$A = \frac{1}{2} \times 2 \text{ cm}(2 \text{ cm} + 4 \text{ cm})$$

$$A = \frac{1}{2} \times 2 \text{ cm}(6 \text{ cm})$$

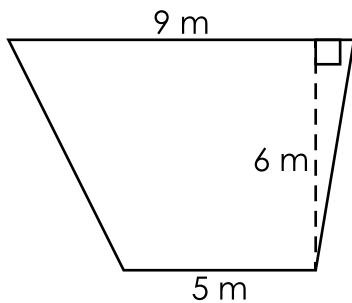
$$A = 1 \text{ cm}(6 \text{ cm})$$

$$A = 6 \text{ cm}^2$$

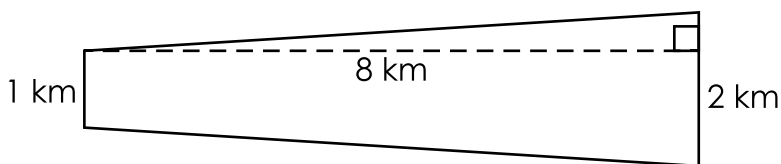
Find the areas of the trapezoids.



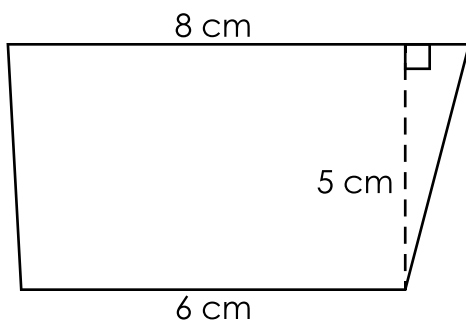
$$A = \underline{\hspace{2cm}} \mathbf{11 \text{ mm}^2}$$



$$A = \underline{\hspace{2cm}} \mathbf{42 \text{ m}^2}$$



$$A = \underline{\hspace{2cm}} \mathbf{12 \text{ km}^2}$$

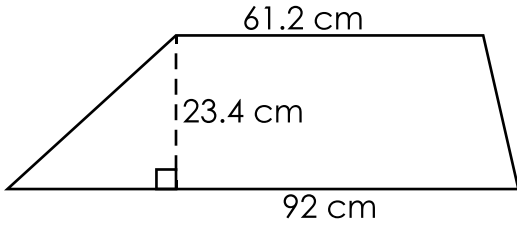


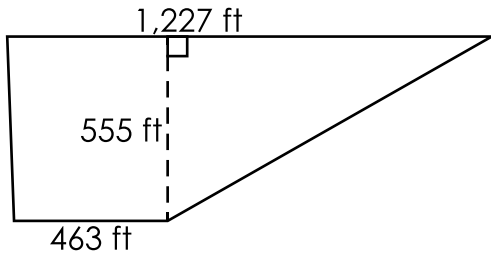
$$A = \underline{\hspace{2cm}} \mathbf{35 \text{ cm}^2}$$

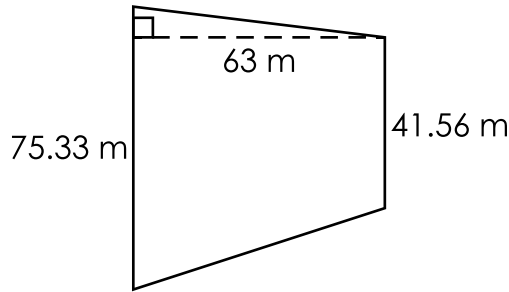
Name: _____

Area of a Trapezoid

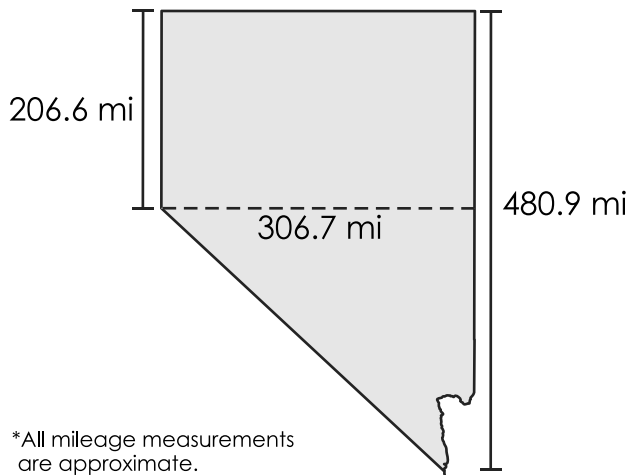
Find the areas of the trapezoids using the formula $A = \frac{1}{2}h(a + b)$.







The state of Nevada is roughly shaped like a trapezoid. What, approximately, is the area of the state?



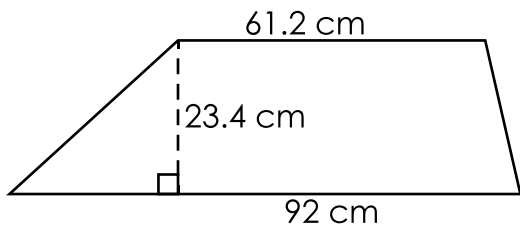
*All mileage measurements are approximate.

A trapezoid has bases of 76.85 millimeters and 83.29 millimeters and a height of 120.24 millimeters. What is the area of this trapezoid?

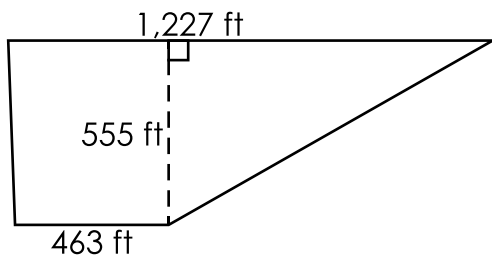
ANSWER KEY

Area of a Trapezoid

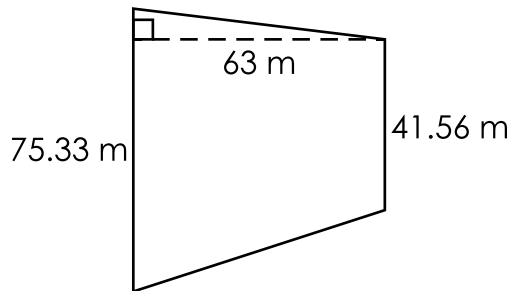
Find the areas of the trapezoids using the formula $A = \frac{1}{2}h(a + b)$.



1,792.44 cm²

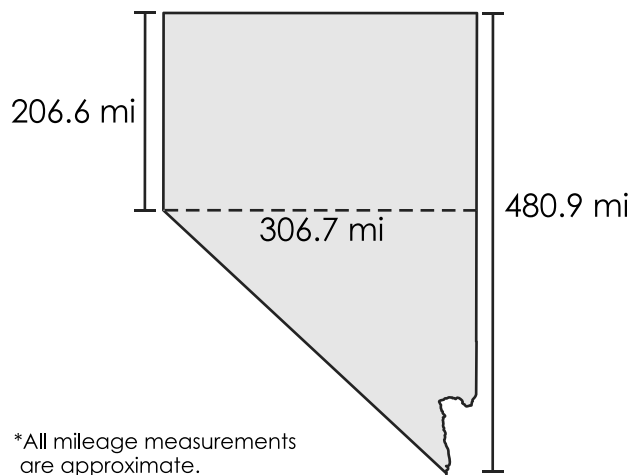


468,975 ft²



3,682.035 m²

The state of Nevada is roughly shaped like a trapezoid. What, approximately, is the area of the state?



*All mileage measurements are approximate.

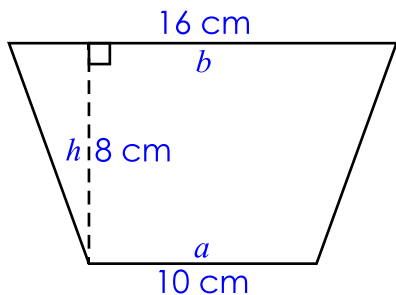
105,428.125 mi²

A trapezoid has bases of 76.85 millimeters and 83.29 millimeters and a height of 120.24 millimeters. What is the area of this trapezoid?

9,627.6165 mm²

Name: _____

Area of a Trapezoid



$$A = \frac{1}{2}h(a + b)$$

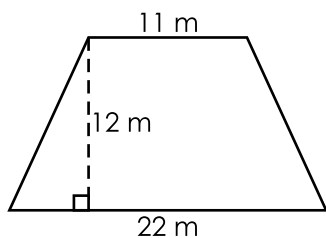
$$A = \frac{1}{2} \times 8 \text{ cm} (10 \text{ cm} + 16 \text{ cm})$$

$$A = \frac{1}{2} \times 8 \text{ cm} (26 \text{ cm})$$

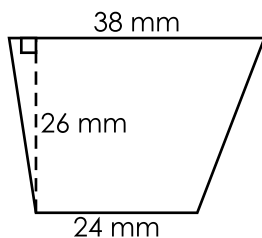
$$A = 4 \text{ cm} (26 \text{ cm})$$

$$A = 104 \text{ cm}^2$$

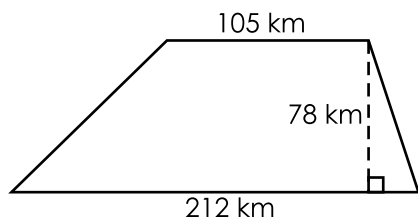
Find the areas of the trapezoids.



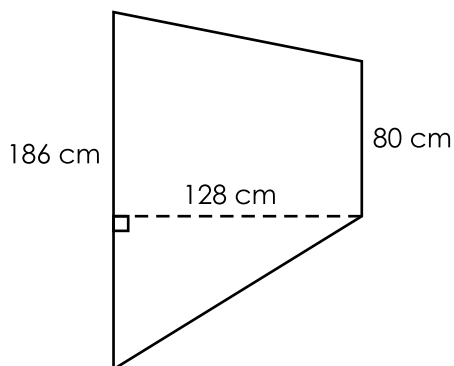
$$A = \underline{\hspace{10cm}}$$



$$A = \underline{\hspace{10cm}}$$



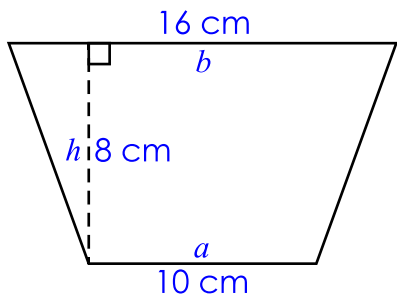
$$A = \underline{\hspace{10cm}}$$



$$A = \underline{\hspace{10cm}}$$

ANSWER KEY

Area of a Trapezoid



$$A = \frac{1}{2}h(a + b)$$

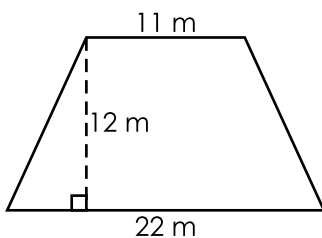
$$A = \frac{1}{2} \times 8 \text{ cm} (10 \text{ cm} + 16 \text{ cm})$$

$$A = \frac{1}{2} \times 8 \text{ cm} (26 \text{ cm})$$

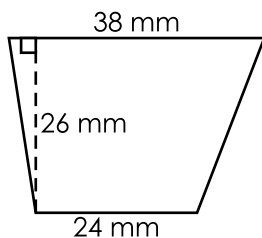
$$A = 4 \text{ cm} (26 \text{ cm})$$

$$A = 104 \text{ cm}^2$$

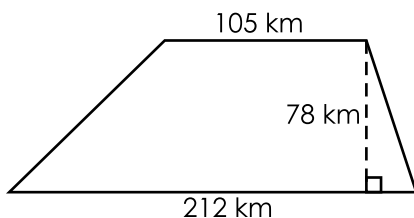
Find the areas of the trapezoids.



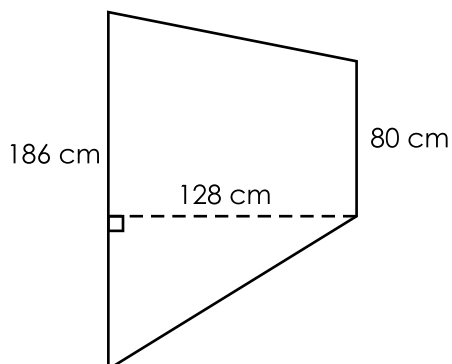
$$A = \underline{\hspace{2cm}} \mathbf{198 \text{ m}^2}$$



$$A = \underline{\hspace{2cm}} \mathbf{806 \text{ mm}^2}$$



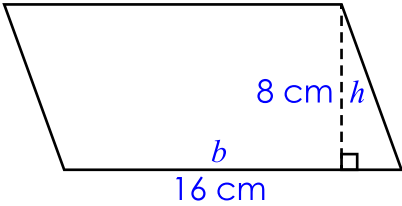
$$A = \underline{\hspace{2cm}} \mathbf{12,363 \text{ km}^2}$$



$$A = \underline{\hspace{2cm}} \mathbf{17,024 \text{ cm}^2}$$

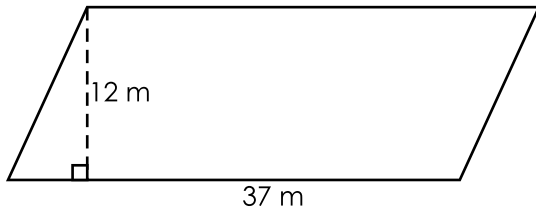
Name: _____

Area of a Parallelogram

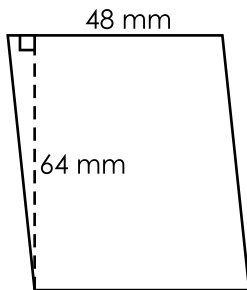


$A = bh$
 $A = 16 \text{ cm}(8 \text{ cm})$
 $A = 128 \text{ cm}^2$

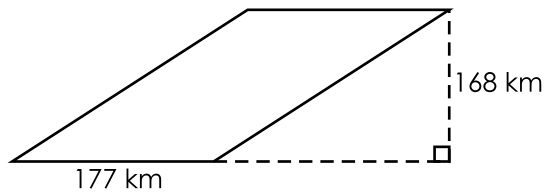
Find the areas of the parallelograms.



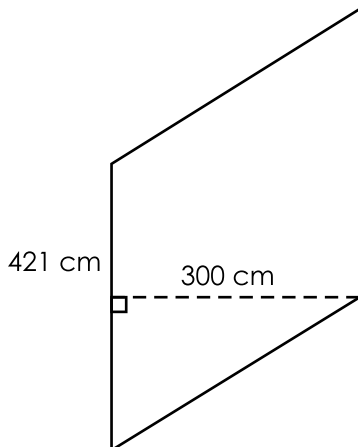
A = _____



A = _____



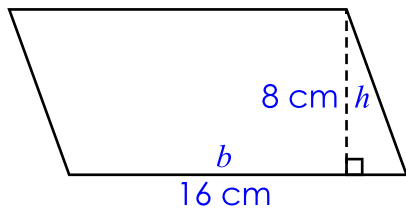
A = _____



A = _____

ANSWER KEY

Area of a Parallelogram

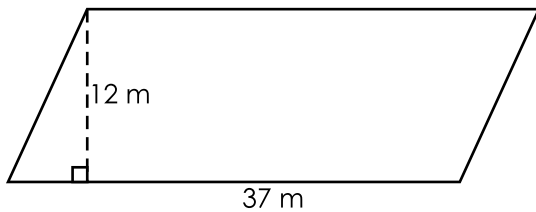


$$A = bh$$

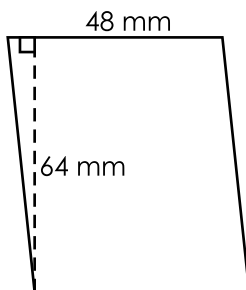
$$A = 16 \text{ cm}(8 \text{ cm})$$

$$A = 128 \text{ cm}^2$$

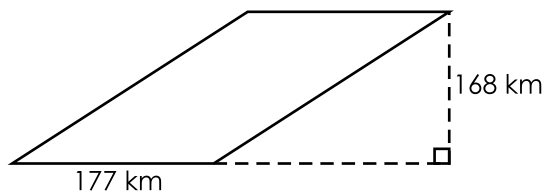
Find the areas of the parallelograms.



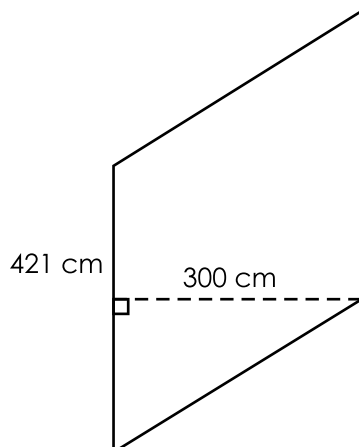
$$A = \underline{\hspace{2cm} 444 \text{ m}^2 \hspace{2cm}}$$



$$A = \underline{\hspace{2cm} 3,072 \text{ mm}^2 \hspace{2cm}}$$



$$A = \underline{\hspace{2cm} 29,736 \text{ km}^2 \hspace{2cm}}$$



$$A = \underline{\hspace{2cm} 126,300 \text{ cm}^2 \hspace{2cm}}$$

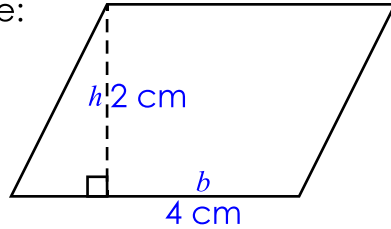
Name: _____

Area of a Parallelogram

The formula for finding the area of a parallelogram is **Area = base \times height**.

This is written as **$A = bh$** .

Example:

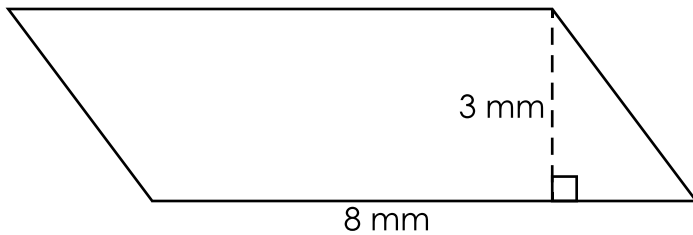


$$A = bh$$

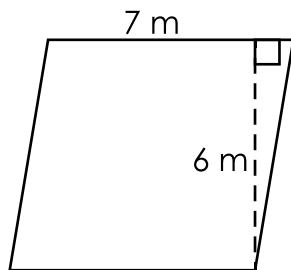
$$A = 4 \text{ cm}(2 \text{ cm})$$

$$A = 8 \text{ cm}^2$$

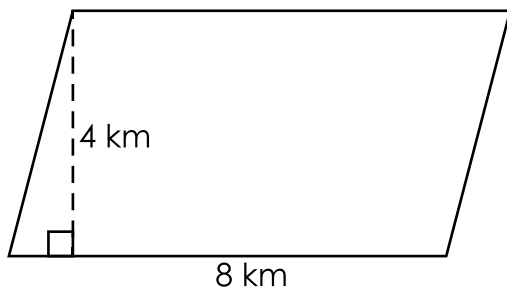
Find the areas of the parallelograms.



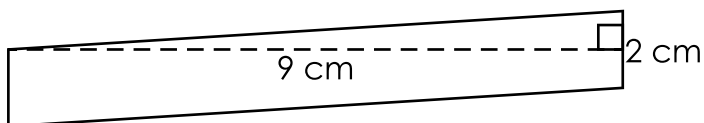
$$A = \underline{\hspace{10em}}$$



$$A = \underline{\hspace{10em}}$$



$$A = \underline{\hspace{10em}}$$



$$A = \underline{\hspace{10em}}$$

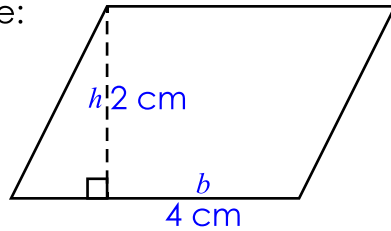
ANSWER KEY

Area of a Parallelogram

The formula for finding the area of a parallelogram is **Area = base × height**.

This is written as **$A = bh$** .

Example:

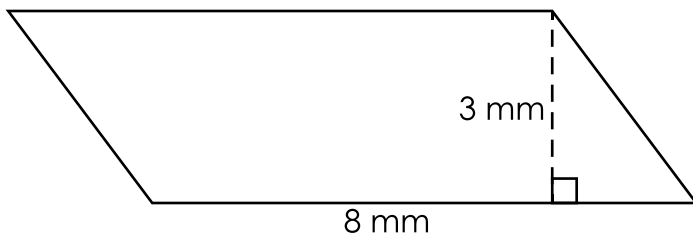


$$A = bh$$

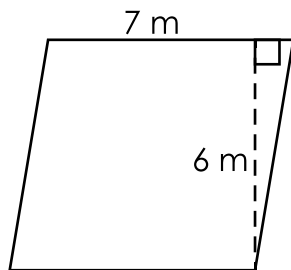
$$A = 4 \text{ cm}(2 \text{ cm})$$

$$A = 8 \text{ cm}^2$$

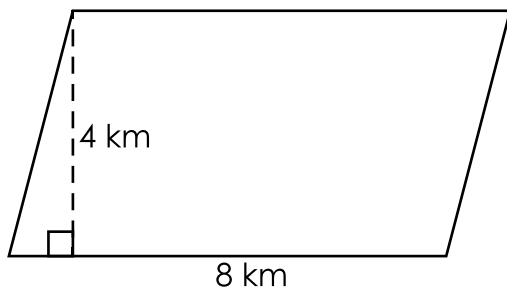
Find the areas of the parallelograms.



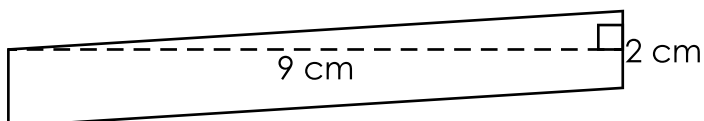
$$A = \underline{\hspace{2cm} 24 \text{ mm}^2 \hspace{2cm}}$$



$$A = \underline{\hspace{2cm} 42 \text{ m}^2 \hspace{2cm}}$$



$$A = \underline{\hspace{2cm} 32 \text{ km}^2 \hspace{2cm}}$$

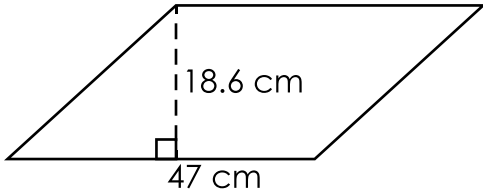


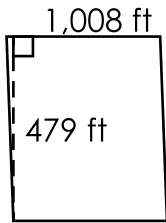
$$A = \underline{\hspace{2cm} 18 \text{ cm}^2 \hspace{2cm}}$$

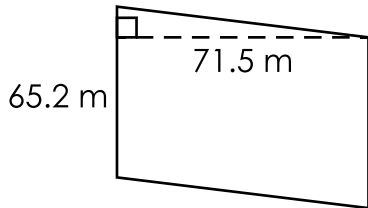
Name: _____

Area of a Parallelogram

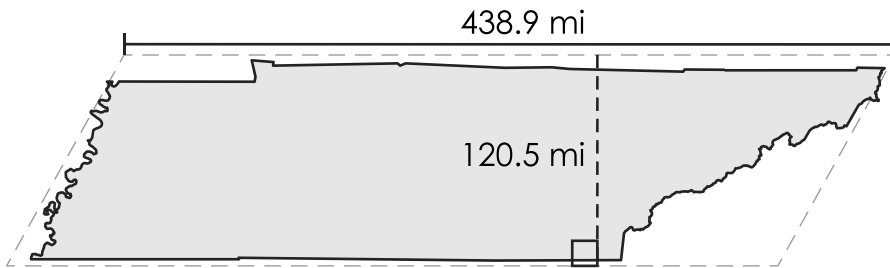
Find the areas of the parallelograms using the formula $A = bh$.







The state of Tennessee is very roughly shaped like a parallelogram. What, approximately, is the area of the state?



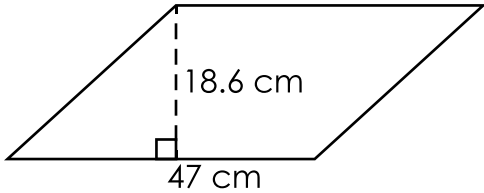
*All mileage measurements are approximate.

A parallelogram has a base of 38.21 millimeters and a height of 115.3 millimeters. What is the area of this parallelogram?

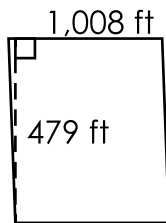
ANSWER KEY

Area of a Parallelogram

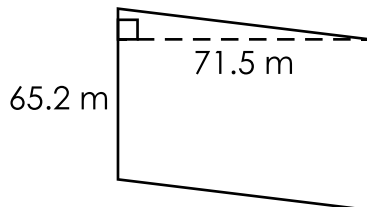
Find the areas of the parallelograms using the formula $A = bh$.



$$874.2 \text{ cm}^2$$

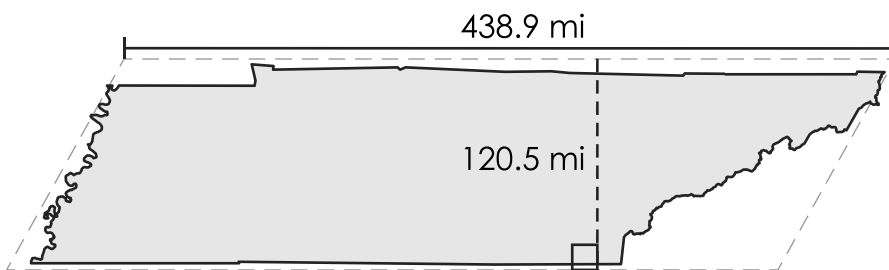


$$482,832 \text{ ft}^2$$



$$4,661.8 \text{ m}^2$$

The state of Tennessee is very roughly shaped like a parallelogram. What, approximately, is the area of the state?



$$52,887.45 \text{ mi}^2$$

*All mileage measurements are approximate.

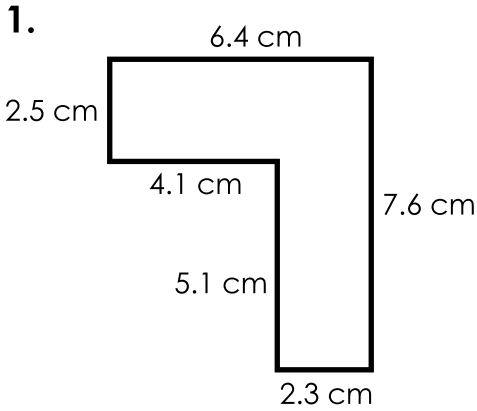
A parallelogram has a base of 38.21 millimeters and a height of 115.3 millimeters. What is the area of this parallelogram?

$$4,405.613 \text{ mm}^2$$

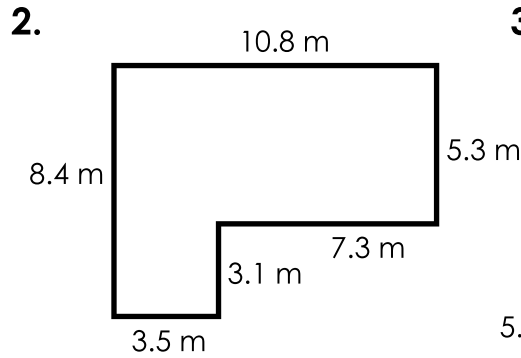
Name: _____

Area of an Irregular Shape

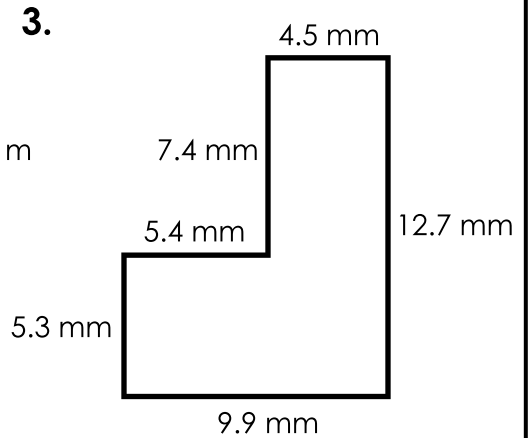
Find the area of each shape. Remember to include units in your answer.



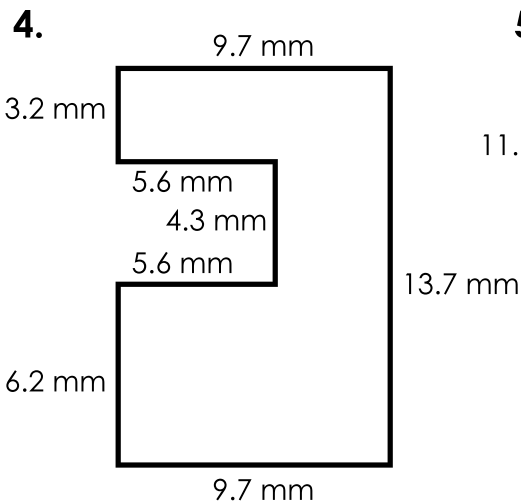
answer: _____



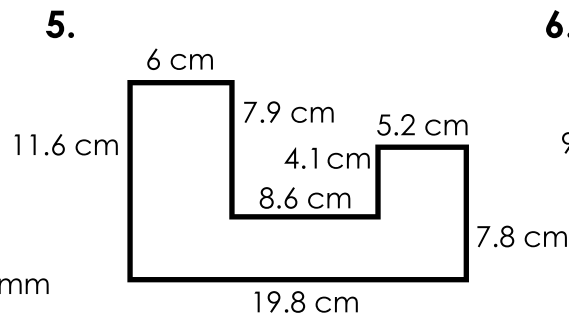
answer: _____



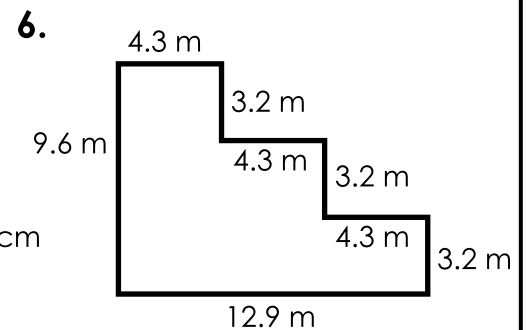
answer: _____



answer: _____



answer: _____



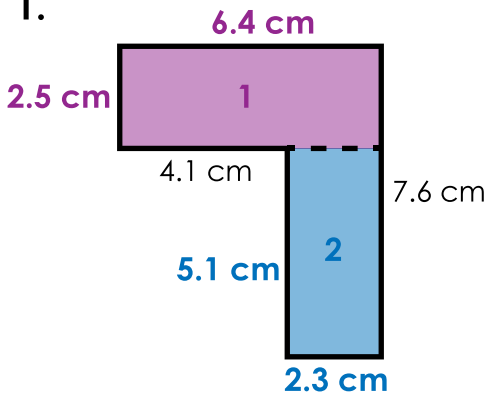
answer: _____

ANSWER KEY

Area of an Irregular Shape

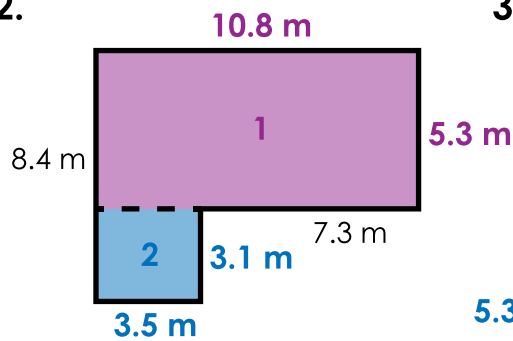
Find the area of each shape. Remember to include units in your answer.
Note to teacher: Shapes may be divided differently.

1.



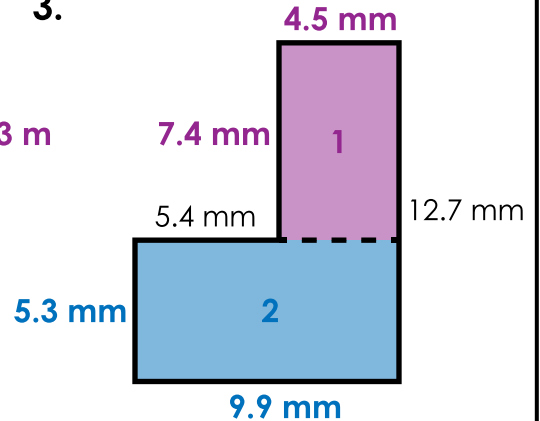
answer: 27.73 cm²

2.



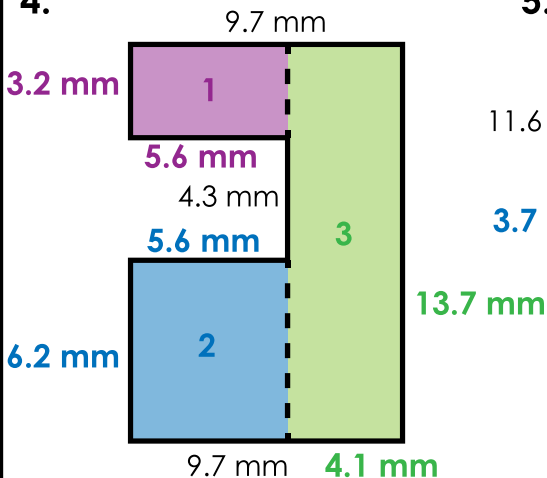
answer: 68.09 m²

3.



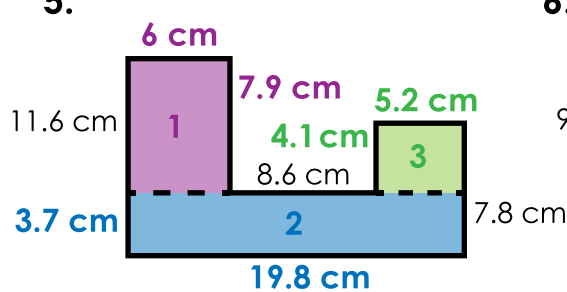
answer: 85.77 mm²

4.



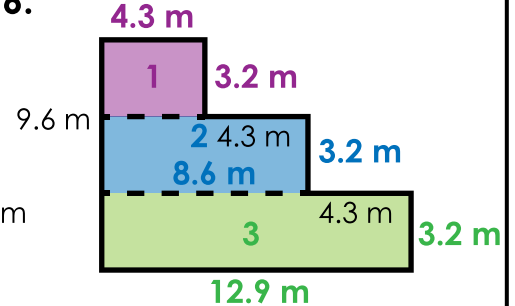
answer: 108.81 mm²

5.



answer: 141.98 cm²

6.



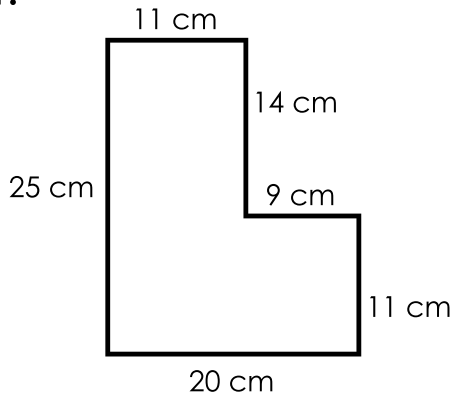
answer: 82.56 m²

Name: _____

Area of an Irregular Shape

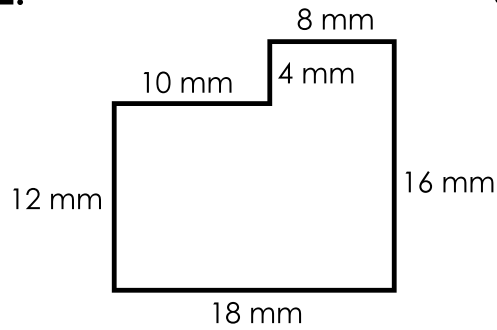
Find the area of each shape. Remember to include units in your answer.

1.



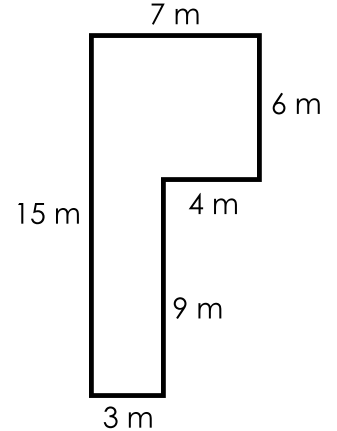
answer: _____

2.



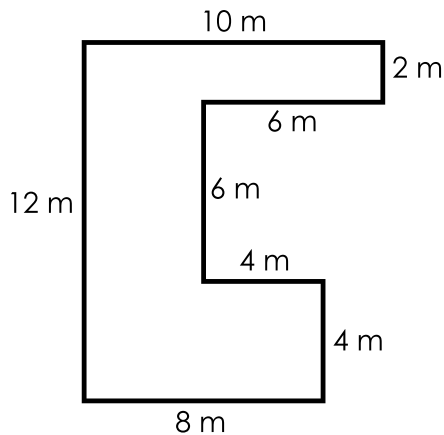
answer: _____

3.



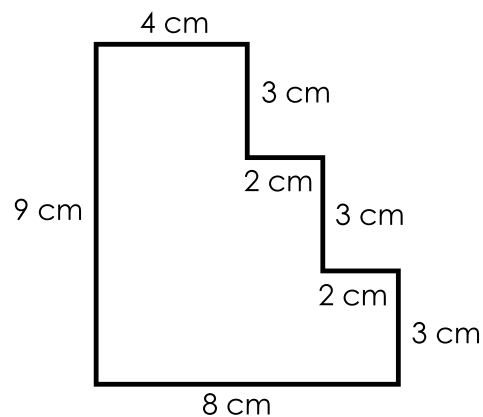
answer: _____

4.



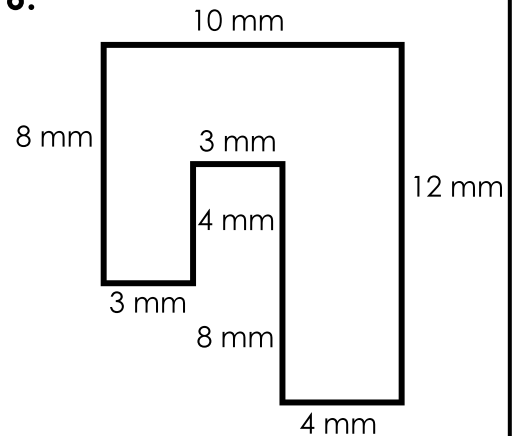
answer: _____

5.



answer: _____

6.



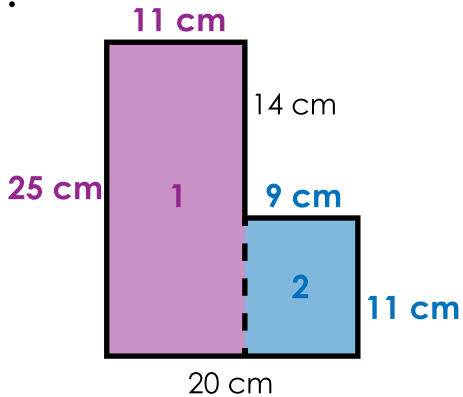
answer: _____

ANSWER KEY

Area of an Irregular Shape

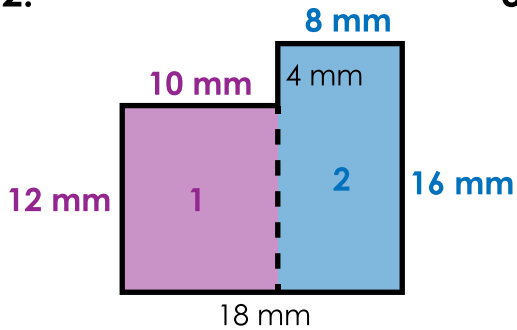
Find the area of each shape. Remember to include units in your answer.
Note to teacher: Shapes may be divided differently.

1.



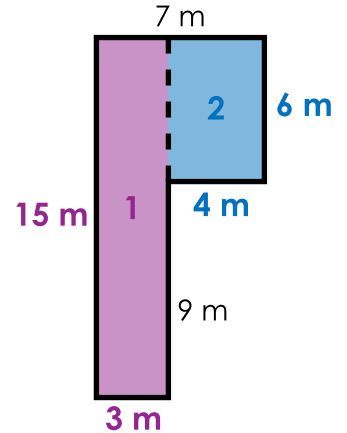
answer: 374 cm²

2.



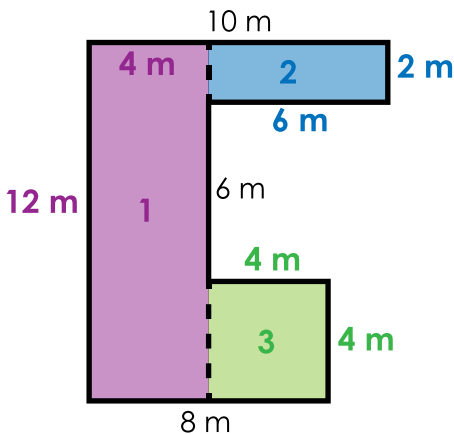
answer: 248 mm²

3.



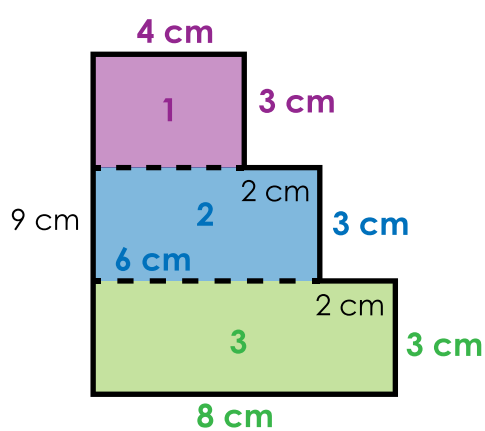
answer: 69 m²

4.



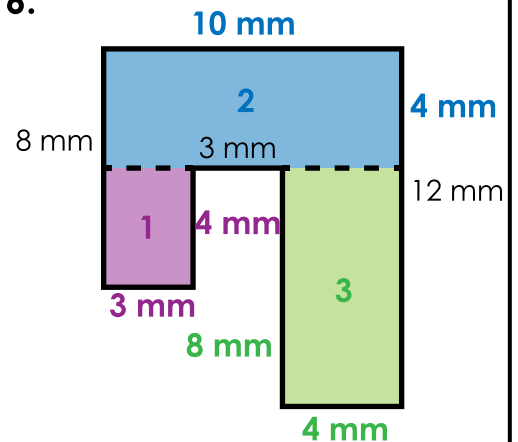
answer: 76 m²

5.



answer: 54 cm²

6.

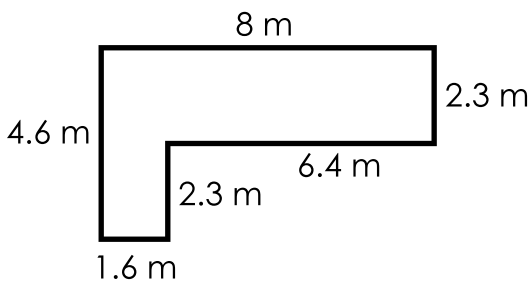


answer: 84 mm²

Name: _____

Area of an Irregular Shape

To find the area of an irregular shape made of two or more rectangles, cut the shape into two or more parts and add the area of each part.



Area of Rectangle 1:

$$A = l \times w$$

$$A = 8 \times 2.3$$

$$A = 18.4 \text{ m}^2$$

Area of Rectangle 2:

$$A = l \times w$$

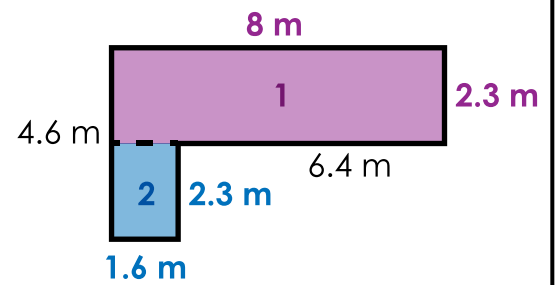
$$A = 1.6 \times 2.3$$

$$A = 3.68 \text{ m}^2$$

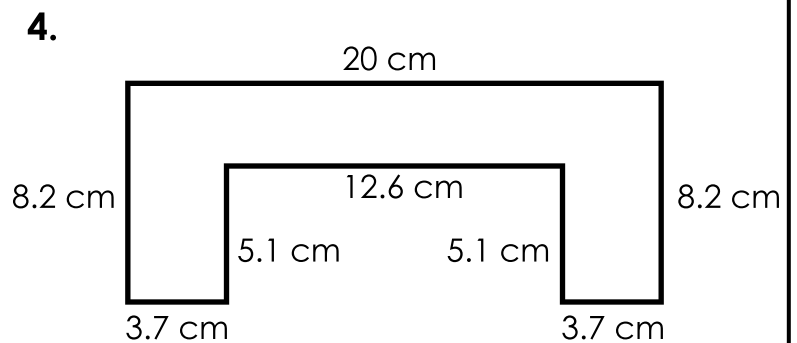
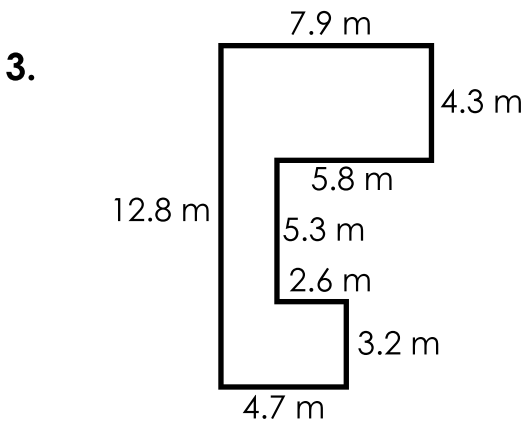
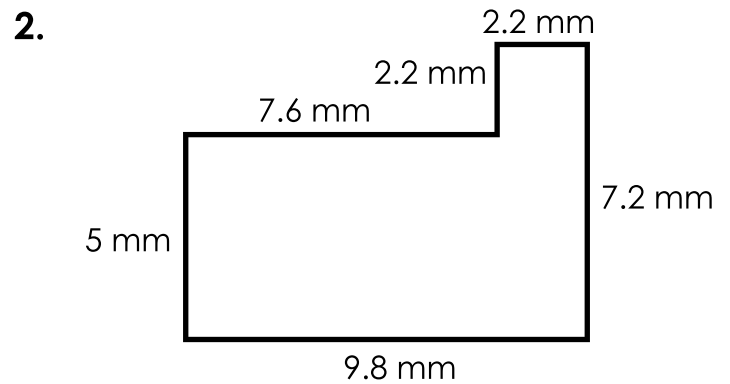
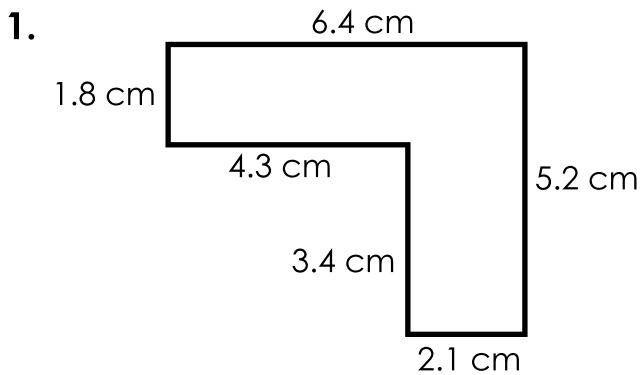
Total Area:

$$A = 18.4 \text{ m}^2 + 3.68 \text{ m}^2$$

$$A = 22.08 \text{ m}^2$$



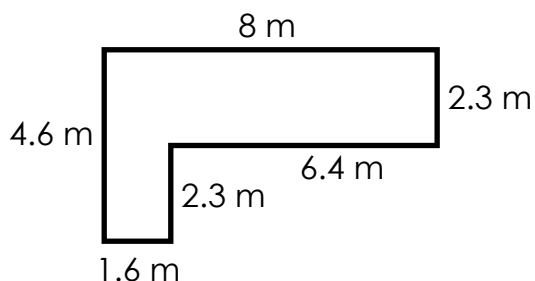
Find the area of each shape. Include units in your answer.



ANSWER KEY

Area of an Irregular Shape

To find the area of an irregular shape made of two or more rectangles, cut the shape into two or more parts and add the area of each part.



Area of Rectangle 1:

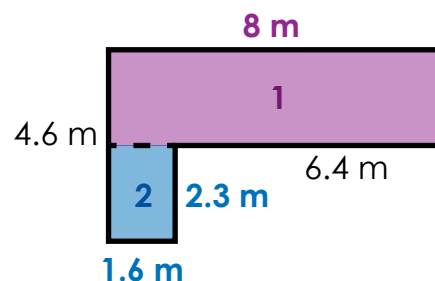
$$A = l \times w$$
$$A = 8 \times 2.3$$
$$A = 18.4 \text{ m}^2$$

Area of Rectangle 2:

$$A = l \times w$$
$$A = 1.6 \times 2.3$$
$$A = 3.68 \text{ m}^2$$

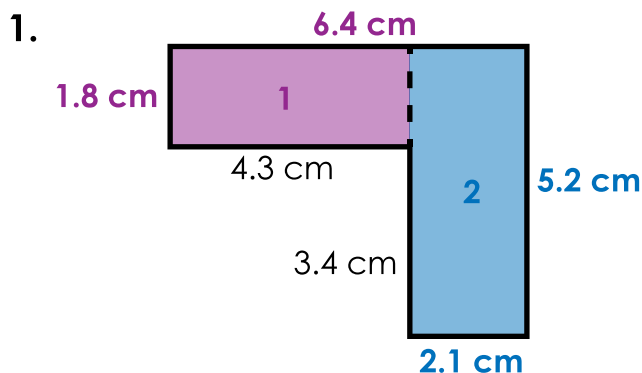
Total Area:

$$A = 18.4 \text{ m}^2 + 3.68 \text{ m}^2$$
$$A = 22.08 \text{ m}^2$$

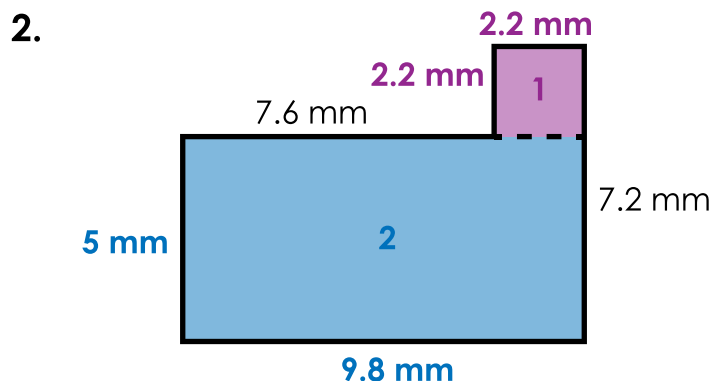


Find the area of each shape. Include units in your answer.

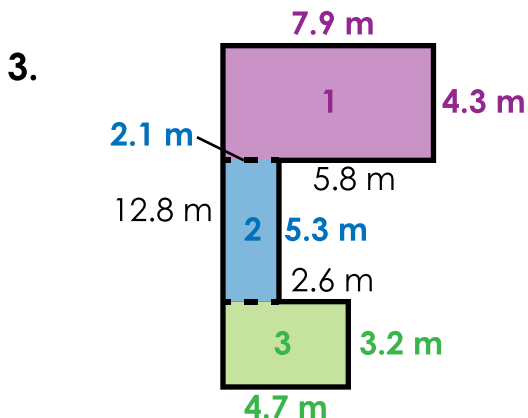
Note to teachers: Shapes may be divided differently.



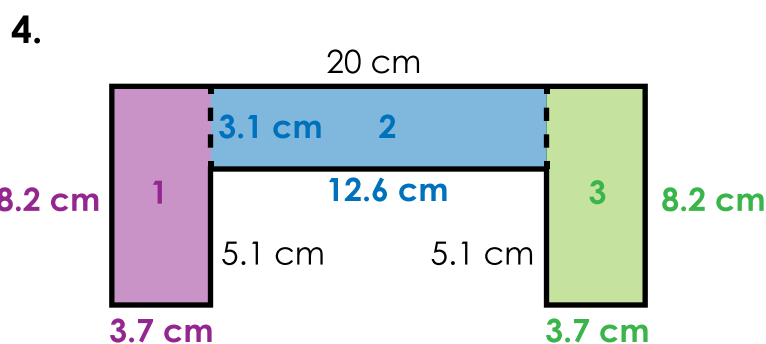
$$A = 18.66 \text{ cm}^2$$



$$A = 53.84 \text{ mm}^2$$



$$A = 60.14 \text{ m}^2$$

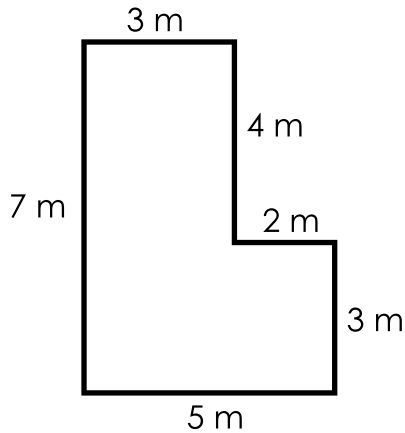


$$A = 99.74 \text{ cm}^2$$

Name: _____

Area of an Irregular Shape

To find the area of an irregular shape made of two or more rectangles, cut the shape into two or more parts and add the area of each part.



Area of Rectangle 1:

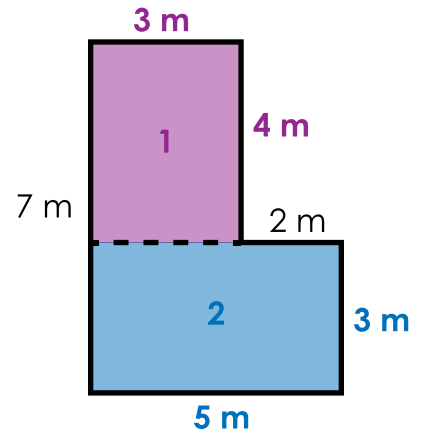
$$A = l \times w$$
$$A = 4 \times 3$$
$$A = 12 \text{ m}^2$$

Area of Rectangle 2:

$$A = l \times w$$
$$A = 5 \times 3$$
$$A = 15 \text{ m}^2$$

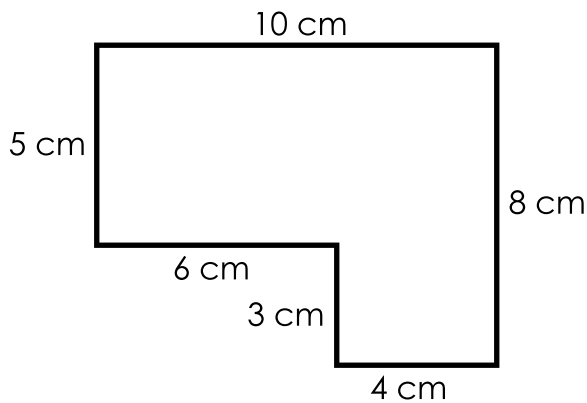
Total Area:

$$A = 12 \text{ m}^2 + 15 \text{ m}^2$$
$$A = 27 \text{ m}^2$$

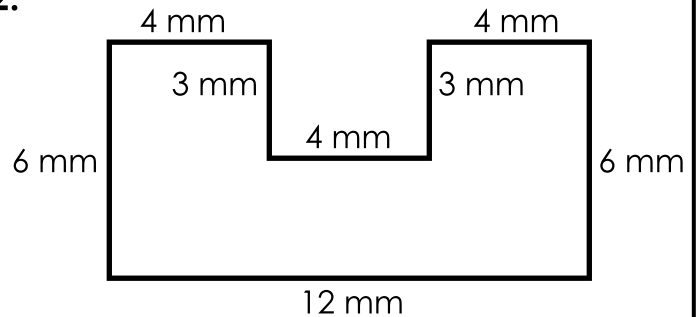


Find the area of each shape. Include units in your answer.

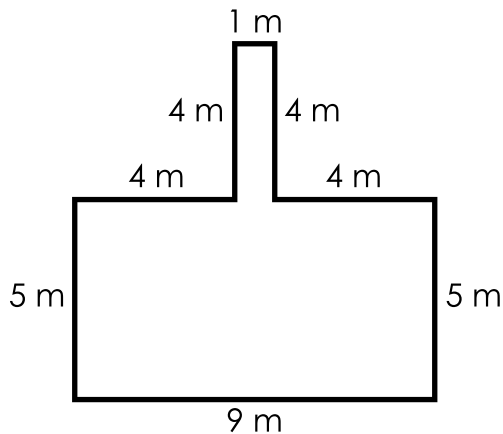
1.



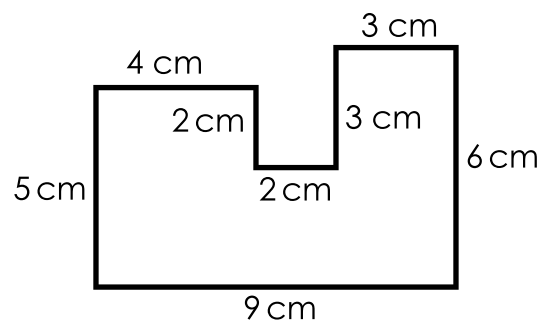
2.



3.



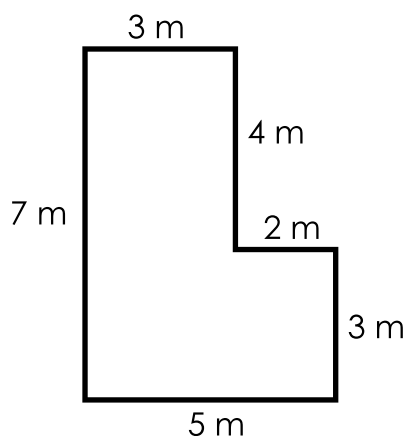
4.



ANSWER KEY

Area of an Irregular Shape

To find the area of an irregular shape made of two or more rectangles, cut the shape into two or more parts and add the area of each part.



Area of Rectangle 1:

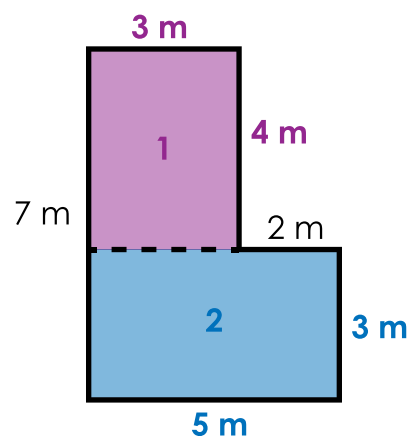
$$A = l \times w$$
$$A = 4 \times 3$$
$$A = 12 \text{ m}^2$$

Area of Rectangle 2:

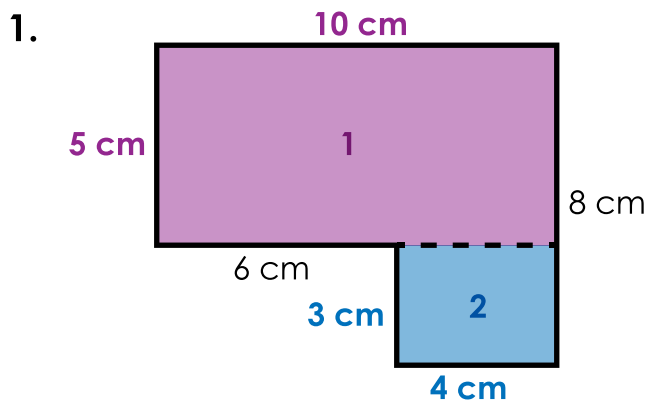
$$A = l \times w$$
$$A = 5 \times 3$$
$$A = 15 \text{ m}^2$$

Total Area:

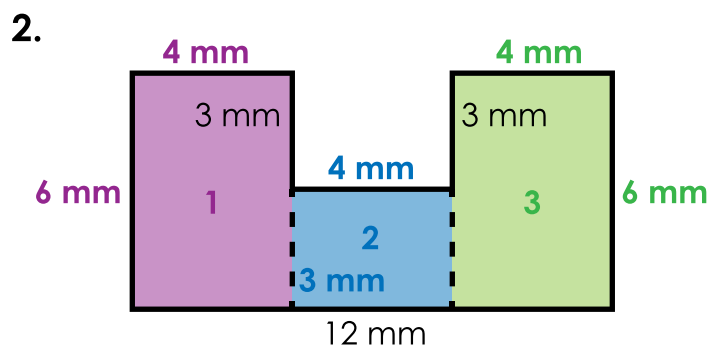
$$A = 12 \text{ m}^2 + 15 \text{ m}^2$$
$$A = 27 \text{ m}^2$$



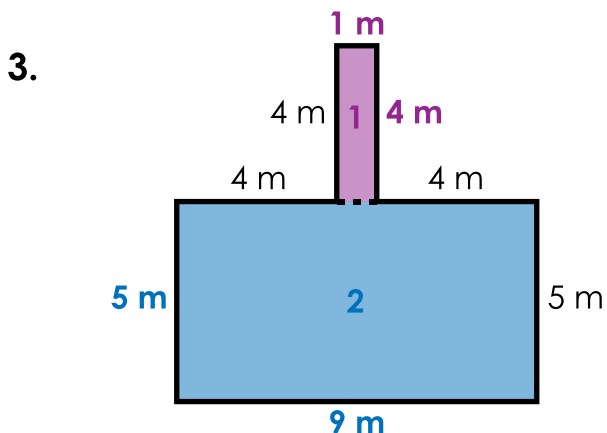
Find the area of each shape. Include units in your answer.
Note to teachers: Shapes may be divided differently.



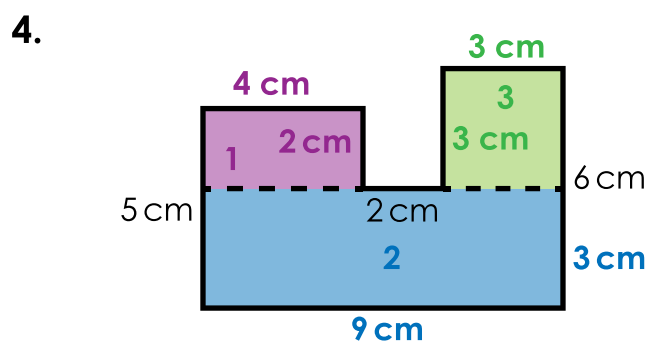
$$A = 62 \text{ cm}^2$$



$$A = 60 \text{ mm}^2$$



$$A = 49 \text{ m}^2$$



$$A = 44 \text{ cm}^2$$