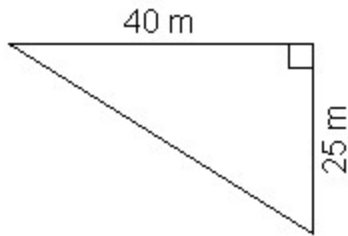


6.G.1

1.  Use pencil and paper to answer the question.

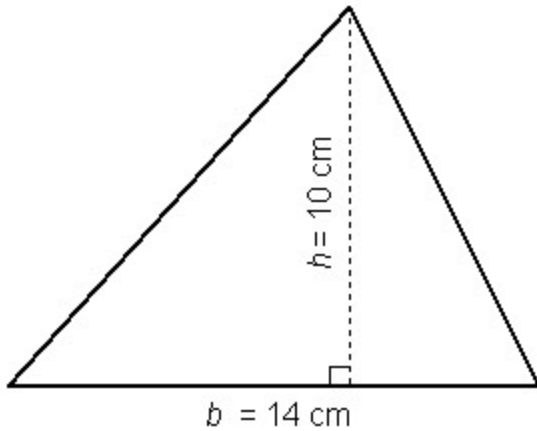
Calculate the area of the triangle.



Area = _____
(unit)

Enter the appropriate value to answer the question or solve the problem.

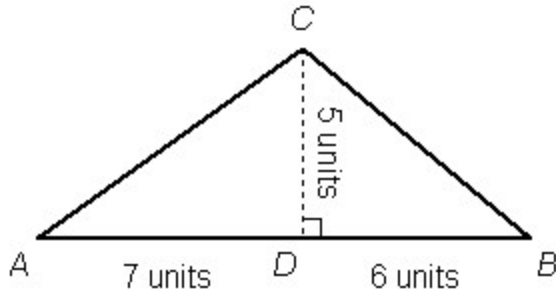
2. The area of a triangle can be found by using the formula $A = \frac{1}{2} * (b * h)$,
where A is the area, b is the length of the base, and h is the height.
Find the area of the triangle shown.



A = _____ cm²

6.G.1

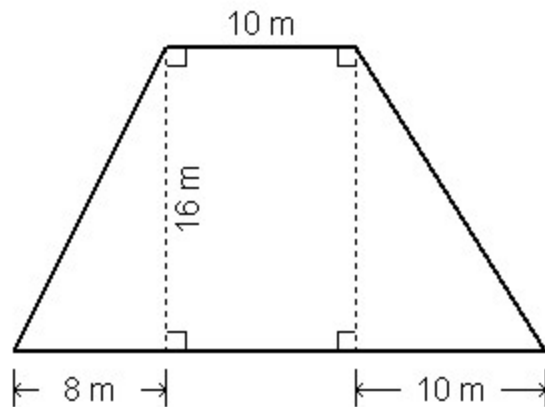
3.  **Use pencil and paper to answer the question.**
Complete.



Area of $\triangle ABC$ = Area of $\triangle ACD$ + Area of _____
 Area of $\triangle ACD$ = _____ units²
 Area of $\triangle CDB$ = _____ units²
 Area of $\triangle ABC$ = _____ units²

4.  **Use pencil and paper to answer the question.**

You need to buy carpet for a room with an irregular shape.

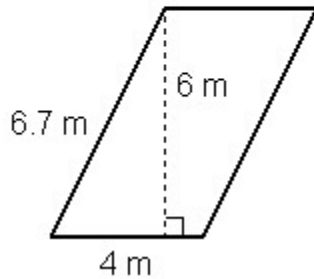


How much carpet do you need? _____
(unit)

6.G.1

5.  Use pencil and paper to answer the question.

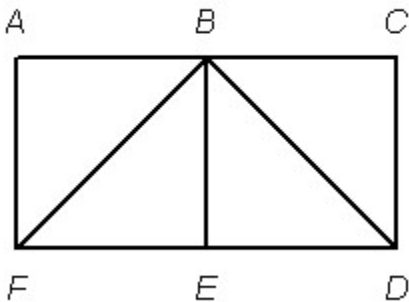
Calculate the area of the parallelogram.



Area = _____
(unit)

Enter the appropriate value to answer the question or solve the problem.

6. The area of square $ABEF$ is 4 cm^2 .
Squares $ABEF$ and $BCDE$ are congruent.
What is the area of triangle BDF ?

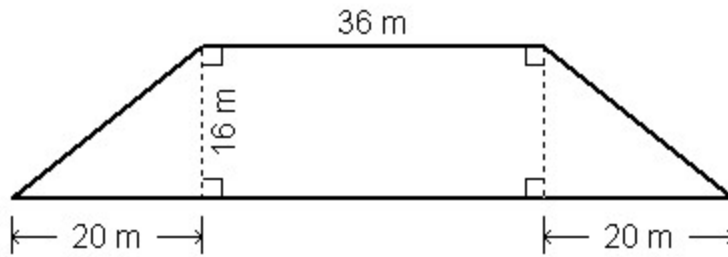


Area = _____ cm^2

6.G.1

7.  Use pencil and paper to answer the question.

You need to buy carpet for a room with an irregular shape.

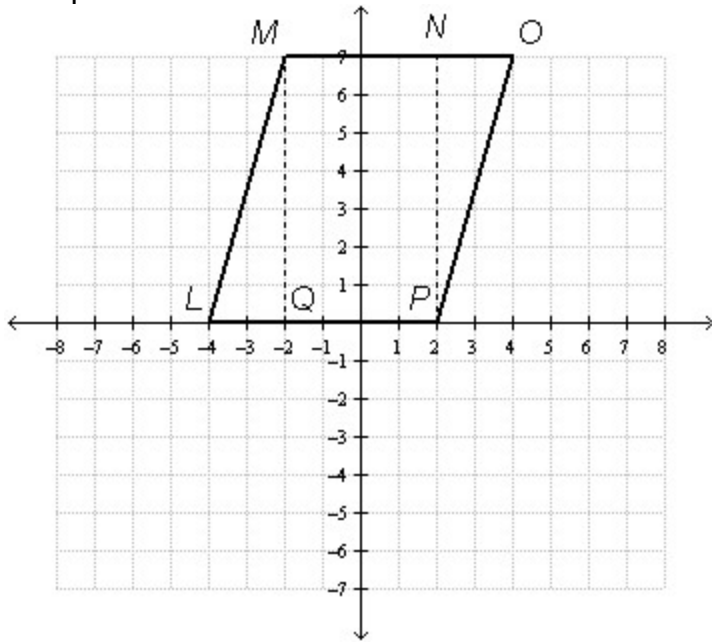


How much carpet do you need? _____
(unit)

6.G.1

8.  Use pencil and paper to answer the question.

Complete.

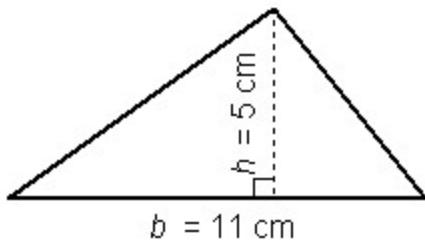


- Area of triangle $LMQ =$ _____ units^2
- Area of rectangle $MNPQ =$ _____ units^2
- Area of triangle $NOP =$ _____ units^2
- Area of parallelogram $LMNO =$ _____ units^2

Enter the appropriate value to answer the question or solve the problem.

9. The area of a triangle can be found by using the formula $A = \frac{1}{2} * (b * h)$,

where A is the area, b is the length of the base, and h is the height.
Find the area of the triangle shown.

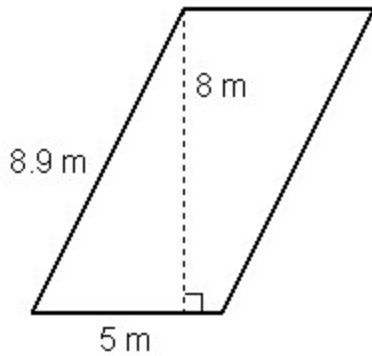


$A =$ _____ cm^2

6.G.1

10.  **Use pencil and paper to answer the question.**

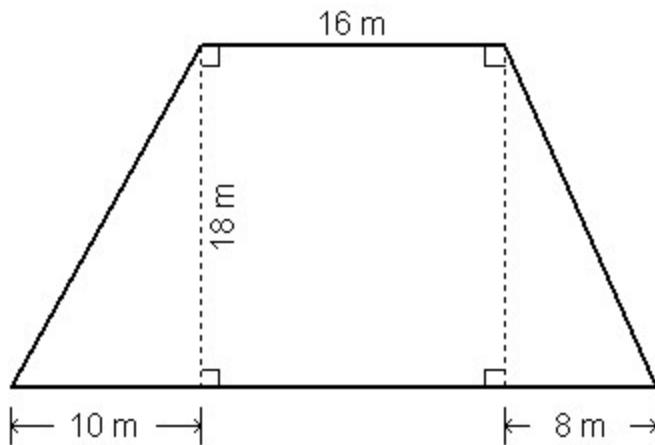
Calculate the area of the parallelogram.



Area = _____
(unit)

11.  **Use pencil and paper to answer the question.**

You need to buy carpet for a room with an irregular shape.



How much carpet do you need? _____
(unit)

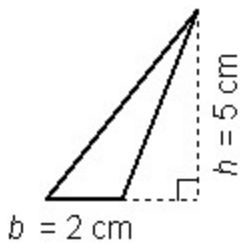
6.G.1

Enter the appropriate value to answer the question or solve the problem.

12. The area of a triangle can be found by using the formula $A = \frac{1}{2} * (b * h)$,

where A is the area, b is the length of the base, and h is the height.

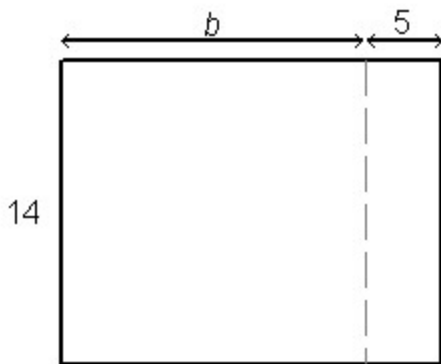
Find the area of the triangle shown.



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

Indicate one or more answer choices that best complete the statement or answer the question.

___ 13. Find the expressions that represent the area of the rectangle.

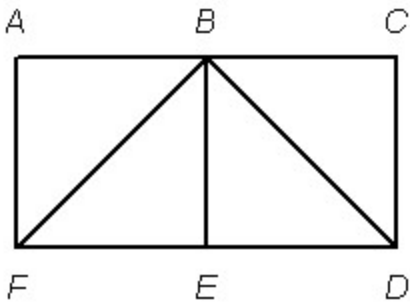


- a. $14(b + 5)$ b. $14 * 5b$
- c. $70 + 5b$ d. $14(5 + b)$
- e. $14b + 70$ f. $70b$

6.G.1

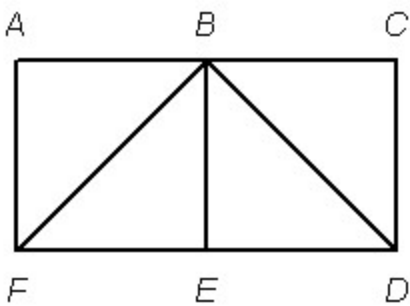
Enter the appropriate value to answer the question or solve the problem.

14. The area of square $ABEF$ is 49 cm^2 .
 Squares $ABEF$ and $BCDE$ are congruent.
 What is the area of trapezoid $ABDF$?



Area = _____ cm^2

15. The area of square $ABEF$ is 64 cm^2 .
 Squares $ABEF$ and $BCDE$ are congruent.
 What is the area of triangle BDF ?



Area = _____ cm^2

6.G.1

Answer Key

1. 500 m^2

2. 70

3. $\triangle CDB$

17.5

15

32.5

4. 304 m^2

5. 24 m^2

6. 4

7. 896 m^2

8. 7

28

7

42

9. 27.5

10. 40 m^2

11. 450 m^2

12. 5

13. a, d, e

14. 73.5

15. 64