socrative
A showbie PRODUCT

Name _____
Date _____

Measurement & Number Sense

Score _____

1. Perimeter is the total distance around the outside of a 2D shape.

(T) True
(F) False

2. The height of a parallelogram is always at right angles to its base.

(T) True
(F) False

3. The base and height of a parallelogram always form a right angle.

(T) True
(F) False

4. The formula for the area of a triangle is A = b x h.

(T) True
(F) False

5. (8 + 12) / (4 - 2) + 5 x 6 = 33

(T) True
(F) False

6. In a calculation with several operations, you divide before multiply and then add before subtract.

(T) True
(F) False

7. The formula for area of a trapezoid is A = (a + b) x h / 2.

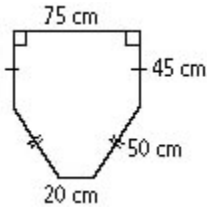
(T) True
(F) False

8. A 2D shape that can be split into 2 or more simpler shapes is known as a composite shape.

(T) True

(F) False

9. Calculate the perimeter.



(A) 190 cm

(B) 235 cm

(C) 285 cm

(D) 315 cm

10. Diane has a hot tub that's in a hexagon shape. Each side is 1.5 m long. New padding will be put on the edge. Padding costs $5/m. What's the total cost of the padding?

(A) $45

(B) $39

(C) $40

(D) $60

11. What is the formula area of a parallelogram?

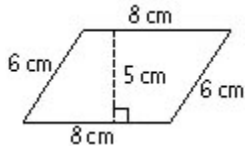
(A) A = b x h

(B) A = b x h / 2

(C) A = l x w

(D) A = 2 x (l + w)

12. Calculate the area of this parallelogram.



(A) 20 cm^2

(B) 24 cm^2

(C) 40 cm^2

(D) 48 cm^2

13. Find the area of a parallelogram with a base of 5 cm, a height of 7 cm and a side length of 8 cm.

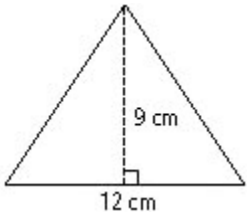
(A) 20 cm^2

(B) 35 cm^2

(C) 40 cm^2

(D) 56 cm^2

14. Calculate the area of this isosceles triangle.



(A) 54 cm^2

(B) 72 cm^2

(C) 108 cm^2

(D) 144 cm^2

15. Which operation do you perform first in the expression 7 + (5 - 3) x 4 /2?

(A) addition

(B) multiplication

(C) division

(D) brackets

16. Evaluate the expression (15 / 3) + 7 x 2 - 9.

(A) 12

(B) 10

(C) 15

(D) 16

17. A four-sided shape has only 1 pair of parallel sides. What is this shape?

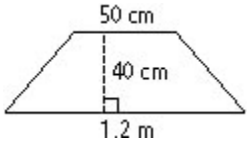
(A) parallelogram

(B) rhombus

(C) rectangle

(D) trapezoid

18. Calculate the area of this trapezoid.



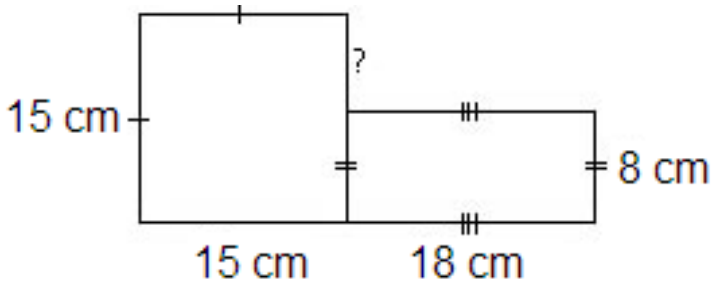
(A) 3400 cm^3

(B) 0.34 m^2

(C) 6.8 cm^2

(D) 0.68 m^2

19.



Find the missing dimension of this composite shape.

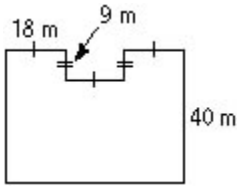
(A) 6 cm

(B) 7 cm

(C) 8 cm

(D) 9 cm

20. Find the area of this field.



(A) 999 m^2

(B) 1278 m^2

(C) 1836 m^2

(D) 1998 m^2