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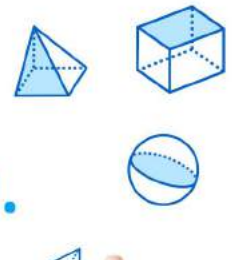

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Area and Perimeter Worksheets Grade 7

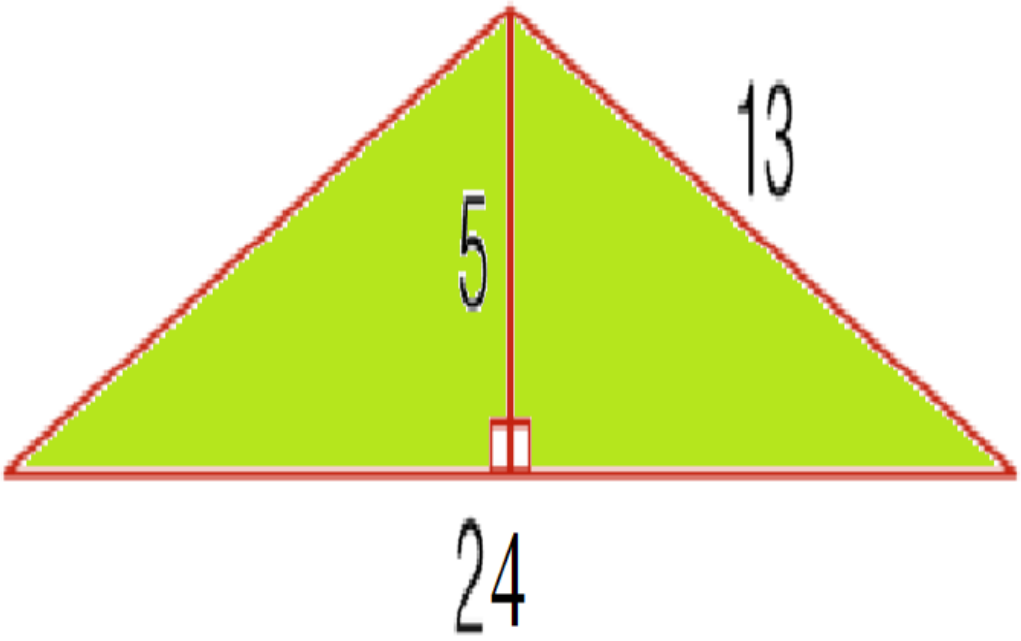
Q.1 Measurement of the space inside a polygon is called.....

Q.2 What is the formula for the area of a trapezoid?

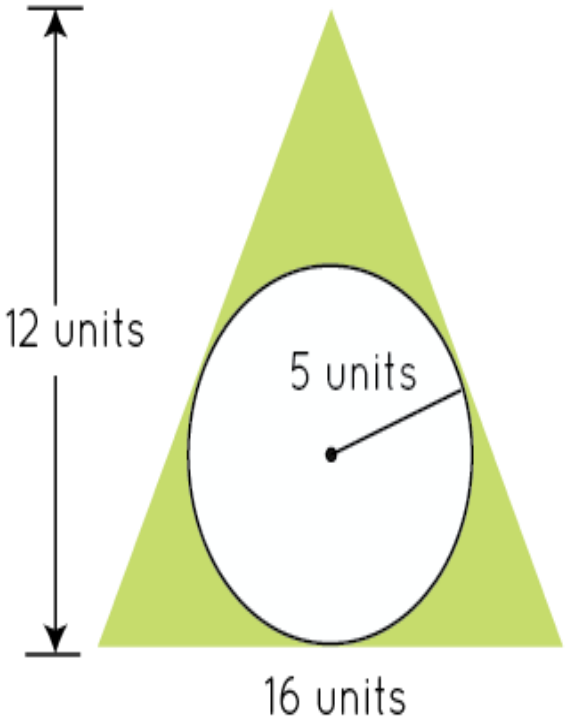
Q.3 Radius of the circle is 14 units. Find half of the area of a circle.

Q.4 What is the formula for the area and circumference of a semicircle?

Q.5 Find the area of a given triangle.

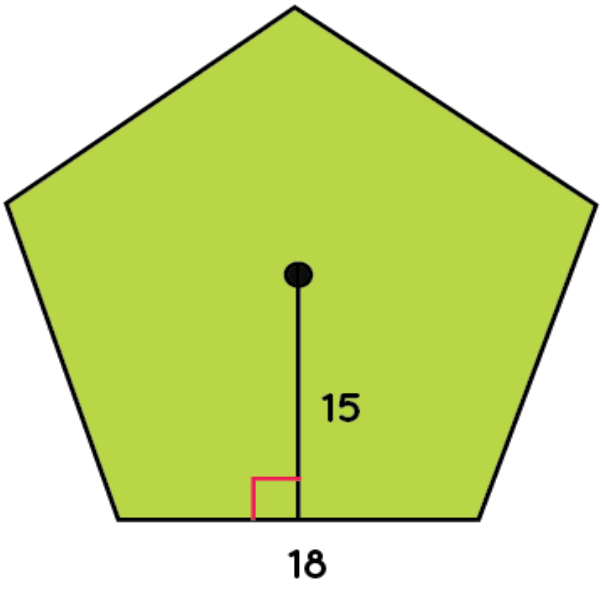


Q.6 Find the area of the shaded region.



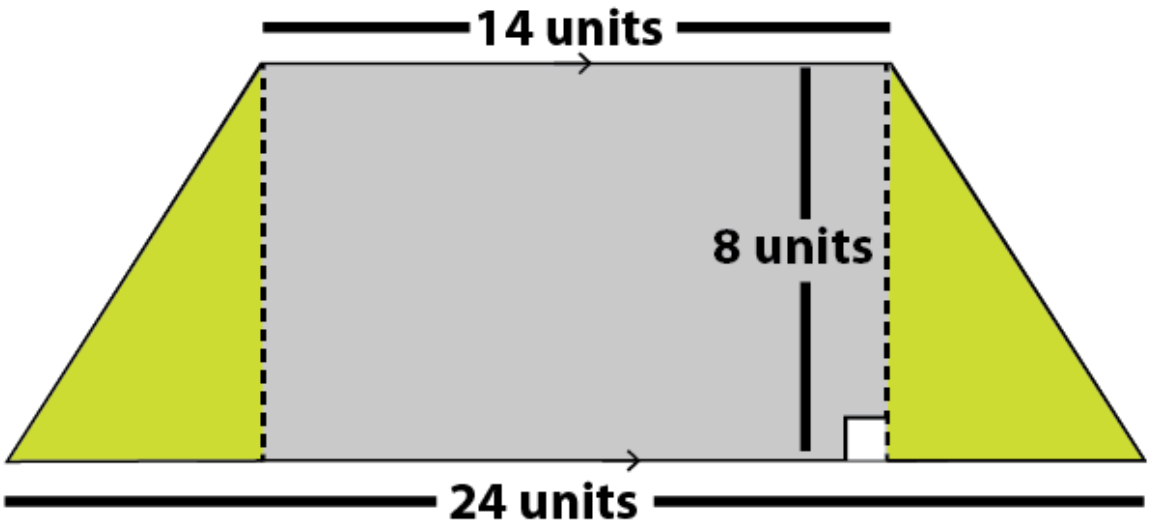
Q.7 The Radius of Earth is 3,963 miles. What is the area of the quarter of the Earth?

Q.8 What is the area of the given polygon?



area of pentagon = 5 * base * height / 2 =

Q.9 Find the area of a combined shape, given below.



Q.10 What is the total surface area of a cylinder having a radius of 7 inches and a height of 16 inches? (Use =227)

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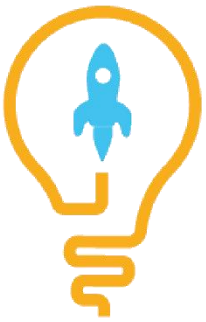

ANSWERS

1. Area	2. $[(\text{bases}_1+\text{bases}_2)/2] \times$ height	3. 307.72 sq. unit	4. Area=$1/2 \times \pi$ radius^2 Circumference = ($\pi \times$ diameter) + diameter or $\pi \times$ radius + 2 $\times$ radius	5. 60 sq. units
6. 17.5 Sq. units	7. 12328714.665 sq. miles	8. 675 sq. units	9. 1520 sq. units	10. 1011.08sq. inches

FUN FACT

1. Area of an isosceles triangle and equilateral triangle can be derived from Heron's formula.

2. Area of a triangle is equal to half the product of the altitude of a triangle and the base of a triangle.

3. The area is the amount of space that is inside a shape.