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للتحدث إلى بوت المناهج على تلغرام: اضغط هنا

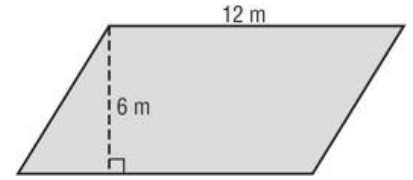
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Mock Exam Grade 6 (Elite) Mousa Bin Nusair School

Choose the correct answer.

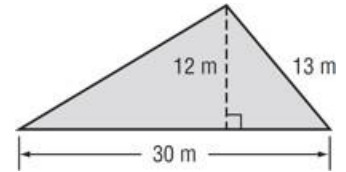
1. Find the area of the parallelogram.

- a) 72 m^2
- b) 6 m^2
- c) 36 m^2
- d) 18 m^2



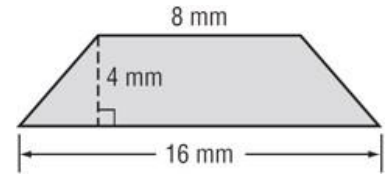
2. What is the area of the triangle?

- a) 180 m^2
- b) 225 m^2
- c) 360 m^2
- d) 450 m^2



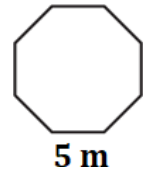
3. What is the area of the given trapezoid?

- a) 270 mm^2
- b) 48 mm^2
- c) 96 mm^2
- d) 24 mm^2



4. The regular octagon shown is enlarged so that its sides are 4 times as large. What effect does this have on the area?

- a) The area is 2 times greater.
- b) The area is 4 times greater.
- c) The area is 16 times greater.
- d) The area stays the same.



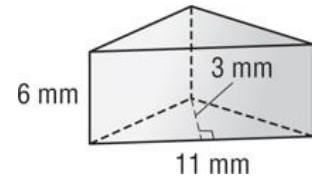
5. Find the volume of the triangular prism.

a) 198 mm^2

b) 99 mm^2

c) 231 mm^2

d) 33 mm^2



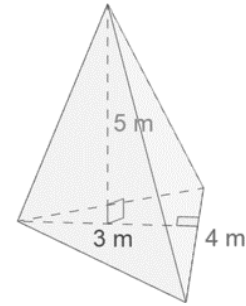
6. Find the Surface area of the triangular pyramid.

a) 60 m^2

b) 10 m^2

c) 36 m^2

d) 40 m^2



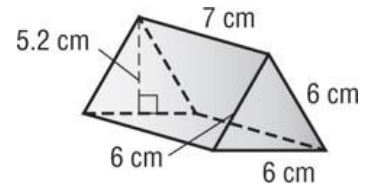
7. Find the surface area of the given prism. Round to the nearest tenth if necessary.

a) 109.2 cm^2

b) 188.4 cm^2

c) 157.2 cm^2

d) 218.4 cm^2



8. What is the mean absolute deviation of the data: 20,5,12,15,16,10?

a) 13

b) 4

c) 10

d) 2.8

9. Which measure of center best represents the set of data: 14, 16, 11, 17, 12, 15, 13, 10, 18, 48

a) mean

b) mode

c) median

d) range

10. Which of the following is an appropriate display to show the heights of adults arranged by intervals?

a) bar graph

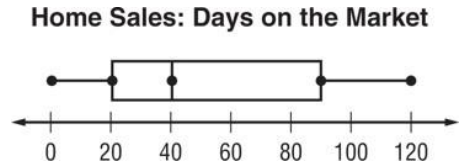
b) line graph

c) circle graph

d) histogram

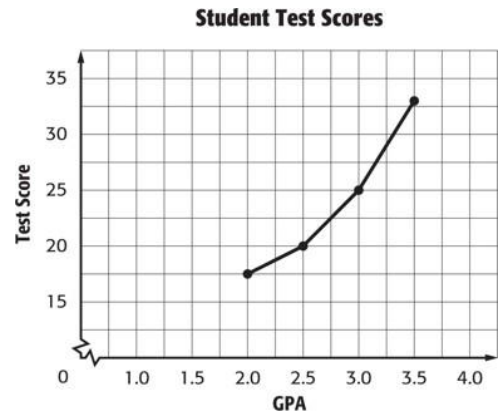
11. The box plot shows the number of days on the market for single family homes in a city. What percent of the homes were on the market less than 90 days?

- a) 0%
- b) 50%
- c) 25%
- d) 75%



12. The graph shows test scores of students with various grade point averages. What is the best prediction of a student with a grade point average of 3.25?

- a) 34
- b) 29
- c) 32
- d) 25



13. What is the height of a parallelogram with base 5 meters and an area of 150 square meters?

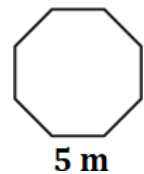
- a) 30 m
- b) 50 m
- c) 750 m
- d) 100 m

14. Aisha is designing a triangular-shaped cardboard with a height of 15 centimeters and an area of 135 square centimeters. What is the length of the base of the cardboard?

- a) 9 cm
- b) 120 cm
- c) 18 cm
- d) 2,025 cm

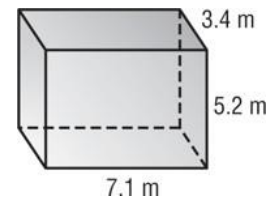
15. The regular octagon shown is enlarged so that its sides are 4 times as large. What effect does this have on the perimeter?

- a) The perimeter is 2 times greater.
- b) The perimeter is 4 times greater.
- c) The perimeter is 16 times greater.
- d) The perimeter stays the same.



16. Find the volume of the rectangular prism. Round to the nearest tenth if necessary.

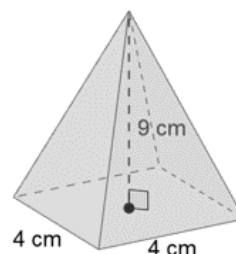
- a) 251.1 m³
- b) 125.5 m³
- c) 214 m³
- d) 25 m³



17. Find the surface area of the square pyramid.

- a) 24 cm^2
- c) 230 cm^2

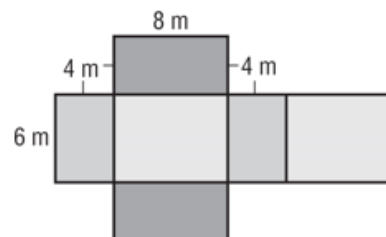
- b) 144 cm^2
- d) 88 cm^2



18. Find the surface area of the solid with the given net.

- a) 768 m^2
- c) 208 m^2

- b) 192 m^2
- d) 104 m^2



19. Which of the following is an appropriate display to show the average price of a car over the last 10 years?

- a) bar graph
- c) circle graph

- b) line graph
- d) histogram

20. The line plot below shows the number of cans collected by the student council. Which of the following describes the data?

- a) symmetric
- c) not symmetric

- b) peak at 15
- d) cluster at 10

