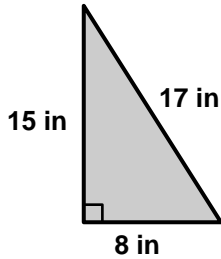


7th Grade Geometry Readiness: Fall Screener

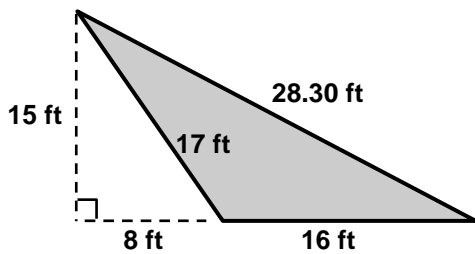
Questions 1-3: Select the correct number and label for each question.

1. Find the area of the triangle. (Note: The figure is not drawn to scale.)



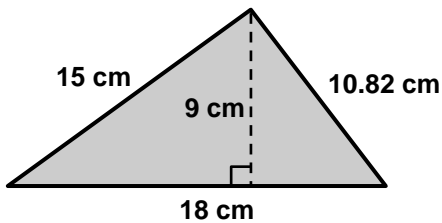
- 68 60 120 40
 in in³ in²

2. Find the area of the shaded triangle. (Note: The figure is not drawn to scale.)



- 120 180 61.30 63.75
 ft³ ft² ft

3. Find the area of the shaded triangle. (Note: The figure is not drawn to scale.)



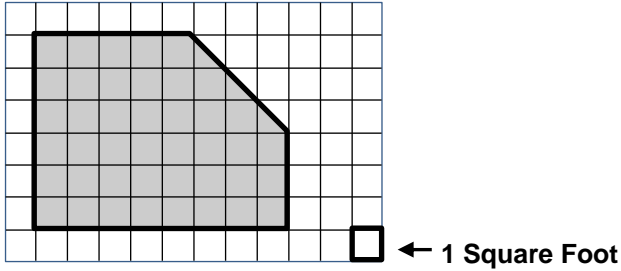
- 162 43.82 54 81
 cm² cm cm³



Please stop, put your pencil down and wait for the next directions.

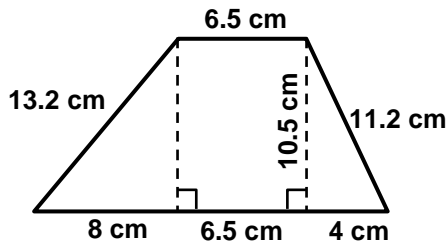
Questions 4-6: Select the correct number and label for each question.

4. Find the area of the shaded polygon. (Note: The figure is not drawn to scale.)



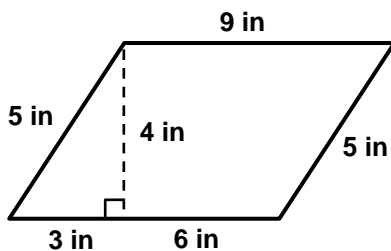
- 43.5 48 44.5 45
 ft³ ft² ft

5. Find the area of the trapezoid. (Note: The figure is not drawn to scale.)



- 49.4 131.25 140 165
 cm² cm cm³

6. Find the area of the parallelogram. (Note: The figure is not drawn to scale.)




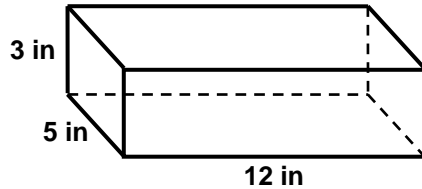
- 45 18 28 36
 in in² in³



Please stop, put your pencil down and wait for the next directions.

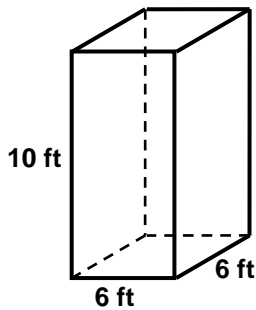
Questions 7-9: Select the correct number and label for each question.

- 7.** What is the maximum number of 1-inch cubes  that can fit inside the right prism?
(Note: The figure is not drawn to scale.)



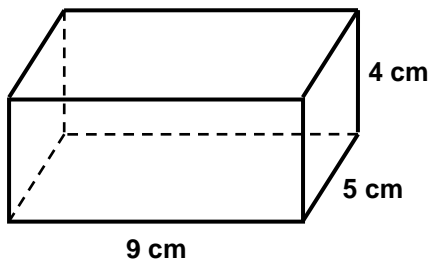
- 180 cubes
 192 cubes
 102 cubes
 222 cubes

- 8.** Find the volume of the right prism. *(Note: The figure is not drawn to scale.)*



- 240
 360
 312
 22
 ft³
 ft²
 ft

- 9.** Find the volume of the right prism. *(Note: The figure is not drawn to scale.)*



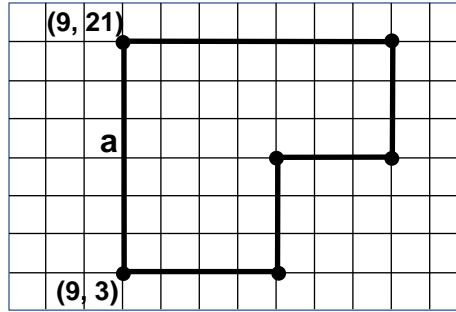
- 18
 122
 202
 180
 cm²
 cm
 cm³



Please stop, put your pencil down and wait for the next directions.

Questions 10-12: Select the correct answer for each question.

10. Find the length of side a.



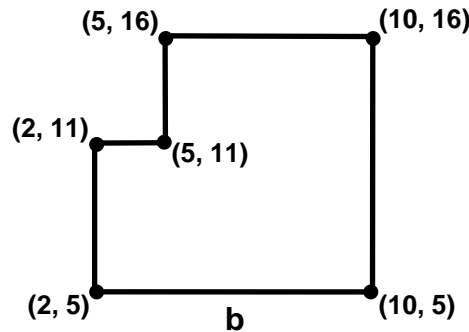
6

18

21

24

11. Find the length of side b.



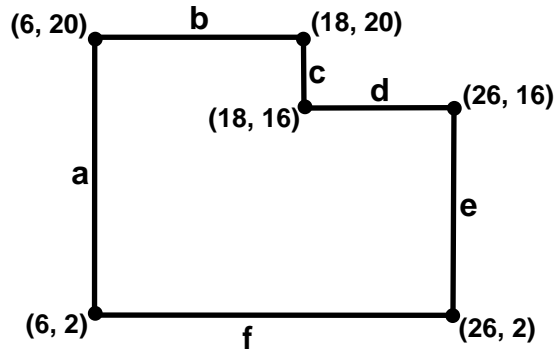
8

12

10

5

12. Find the length of side c.



12

4

2

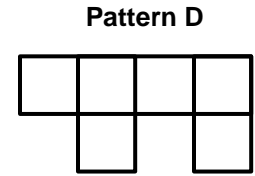
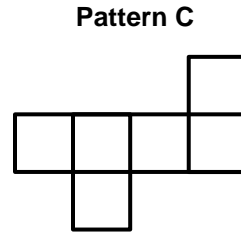
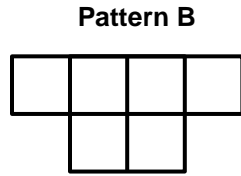
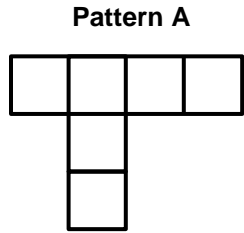
8



Please stop, put your pencil down and wait for the next directions.

Questions 13-15: Select the correct answer for each question.

13. Which pattern could be folded into a cube?



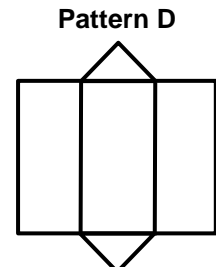
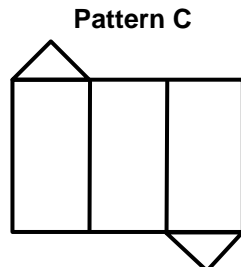
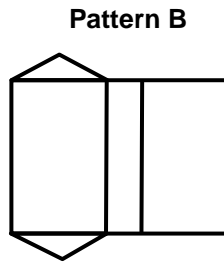
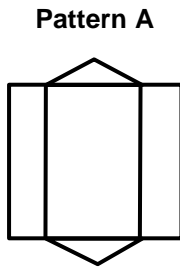
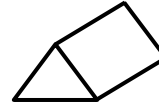
A

B

C

D

14. Which patterns could be folded into a right triangular prism?



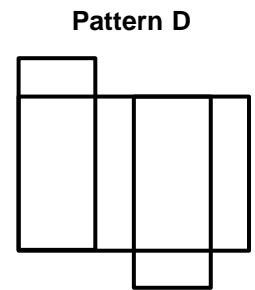
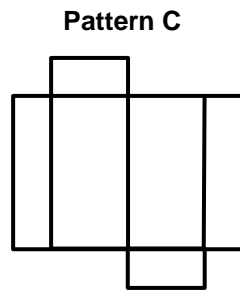
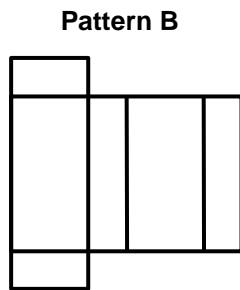
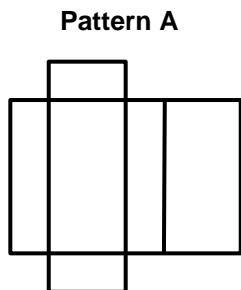
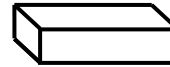
Pattern A

Pattern B

Pattern C

Pattern D

15. Which pattern could not fold into a right rectangular prism?



Pattern A

Pattern B

Pattern C

Pattern D



Please stop, put your pencil down and wait for the next directions.