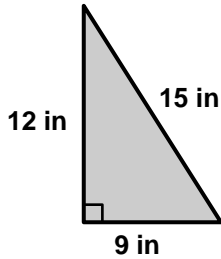


7th Grade Geometry Progress: Winter

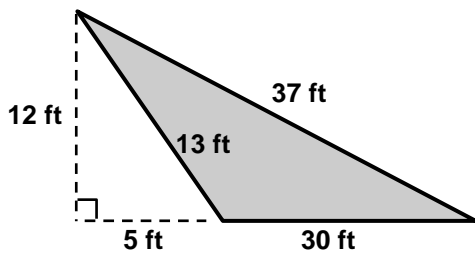
Questions 1-3: Select the correct number and label for each question.

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



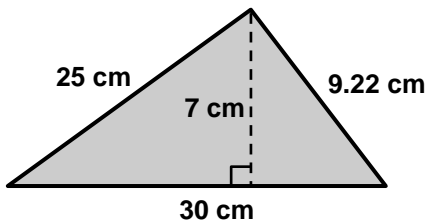
- | | | | |
|---------------------------|---------------------------------------|--|-------------------------------------|
| <input type="radio"/> 108 | <input type="radio"/> 36 | <input type="radio"/> 67.5 | <input checked="" type="radio"/> 54 |
| <input type="radio"/> in | <input type="radio"/> in ³ | <input checked="" type="radio"/> in ² | |

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



- | | | | |
|---------------------------------------|--|---------------------------|--------------------------|
| <input type="radio"/> 195 | <input checked="" type="radio"/> 180 | <input type="radio"/> 210 | <input type="radio"/> 80 |
| <input type="radio"/> ft ³ | <input checked="" type="radio"/> ft ² | <input type="radio"/> ft | |

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



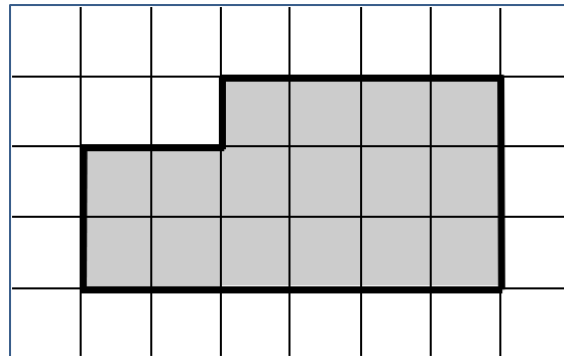
- | | | | |
|--|-----------------------------|---------------------------------------|-----------------------------|
| <input type="radio"/> 210 | <input type="radio"/> 138.3 | <input checked="" type="radio"/> 105 | <input type="radio"/> 64.22 |
| <input checked="" type="radio"/> cm ² | <input type="radio"/> cm | <input type="radio"/> cm ³ | |



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

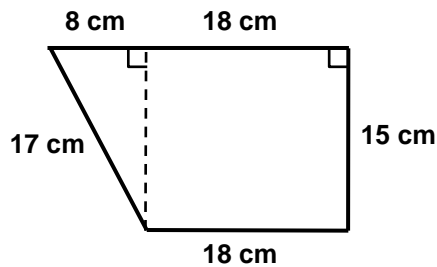
Questions 4-6: Select the correct number and label for each question.

4. Find the area of the shaded polygon.



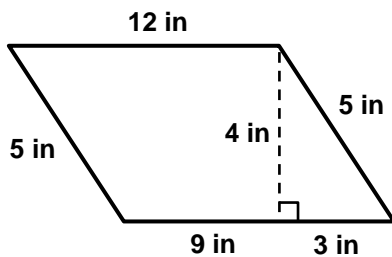
- 18 16 22 12
 Units Squared Units Cubed Units

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



- 270 390 374 330
 cm² cm cm³

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




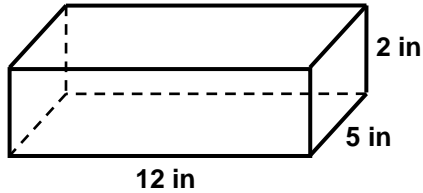
- 48 60 24 30
 in in² in³



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

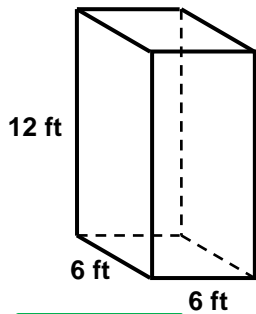
Questions 7-9: Select the correct number and label for each question.

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.)



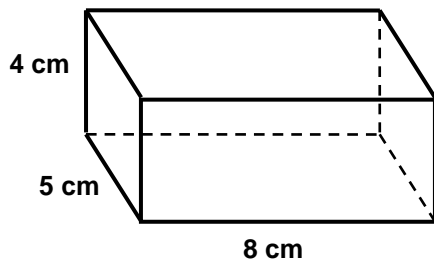
- 188 cubes
 120 cubes
 168 cubes
 68 cubes

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



- 432
 360
 216
 288
 ft³
 ft²
 ft

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



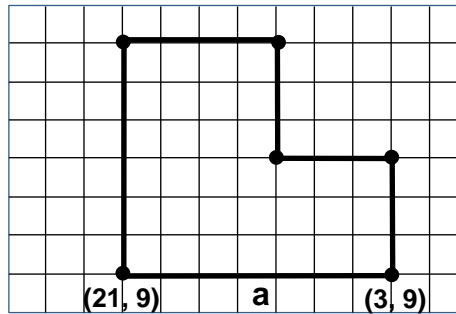
- 104
 144
 160
 184
 cm²
 cm
 cm³



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.

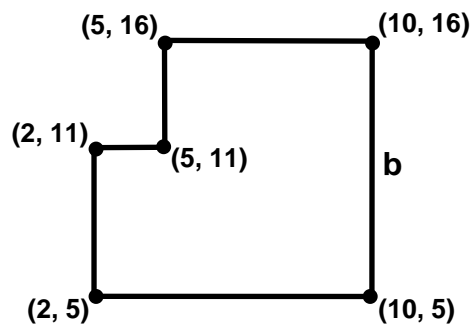

 6

 18

 21

 24

11. Find the length of side b.

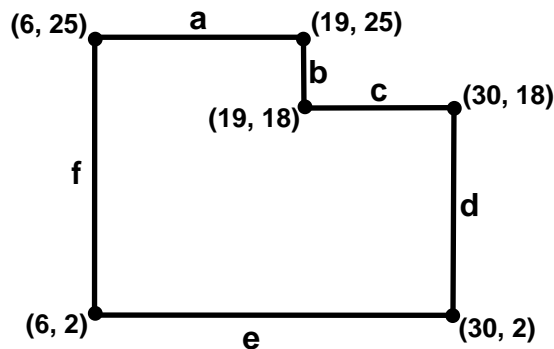

 5

 16

 21

 11

12. Find the length of side c.


 12

 11

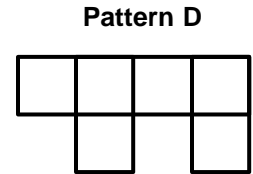
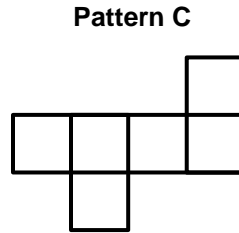
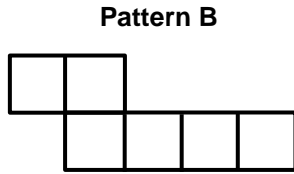
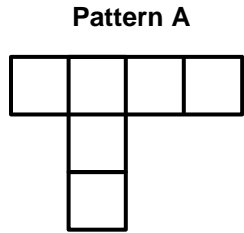
 18

 7


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 to form a cube?



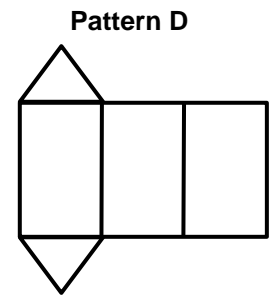
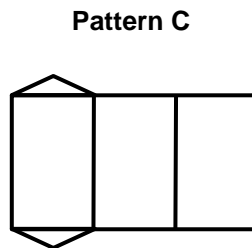
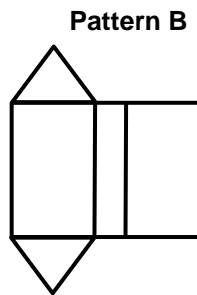
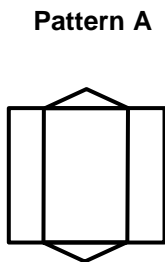
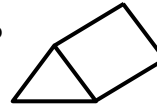
A

B

C

D

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



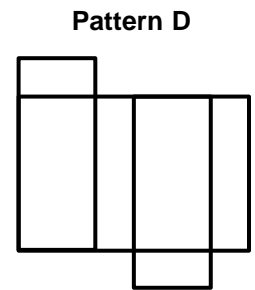
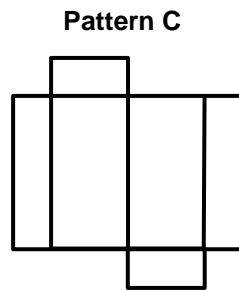
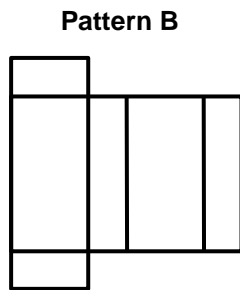
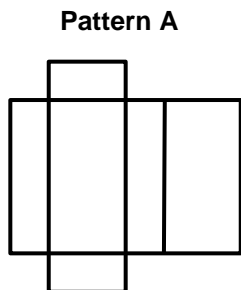
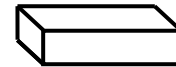
Pattern A

Pattern B

Pattern C

Pattern D

15. Which pattern could not be folded to form a right rectangular prism?



Pattern A

Pattern B

Pattern C

Pattern D



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