

Perimeter: Skill 5 - 22A

Find the Perimeter of a Polygon

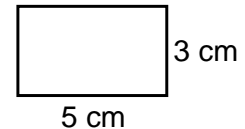
The perimeter of a polygon is the distance around the outside of the figure.

How to find the perimeter of a polygon.

Find the perimeter of a rectangle that has a length of 5 centimeters and a width of 3 centimeters.

Add the Lengths of Each Side

$$\text{Perimeter} = 5 \text{ cm} + 5 \text{ cm} + 3 \text{ cm} + 3 \text{ cm} = 16 \text{ cm}$$



Use a formula. (for the rectangle above)

$P = \text{perimeter}$ $l = \text{length}$ $w = \text{width}$

$$P = (2 \times l) + (2 \times w)$$

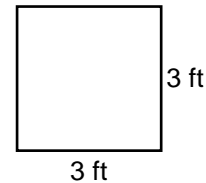
Substitute numbers for the variables.

$$P = (2 \times 5) + (2 \times 3)$$

$$P = 10 + 6$$

$$P = 16$$

Use a formula for a regular polygon. The sides of a regular polygon all have equal lengths.



Let s be the length of a side.

$$P = s + s + s + s$$

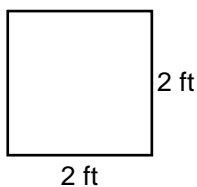
$$P = 4 \times s$$

$$P = 4 \times 3$$

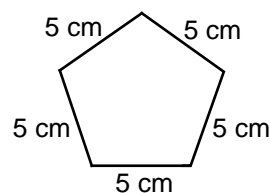
$$P = 12 \text{ feet}$$

Directions: Find the perimeter of each polygon.

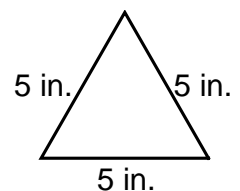
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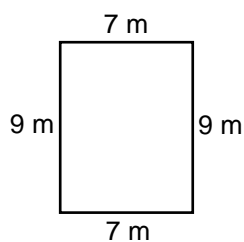
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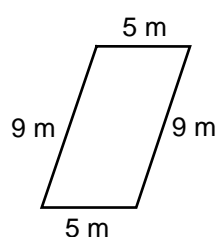
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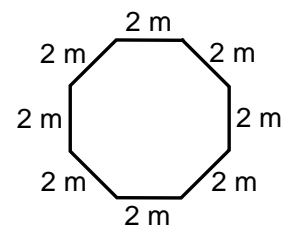
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5.



6.

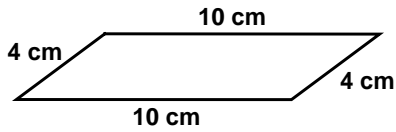


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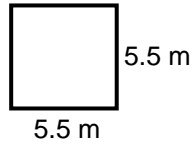
Perimeter of a Polygon

Directions: Find the perimeter of each polygon.

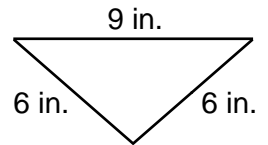
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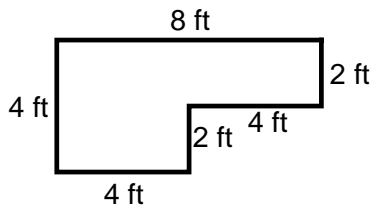
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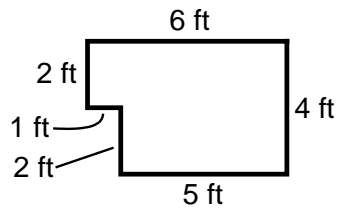
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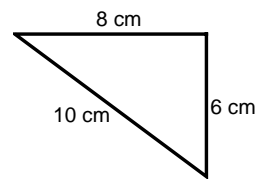
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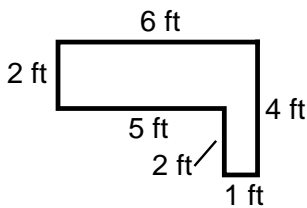
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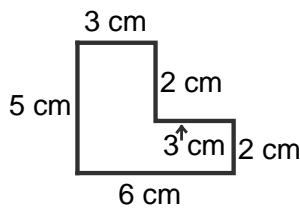
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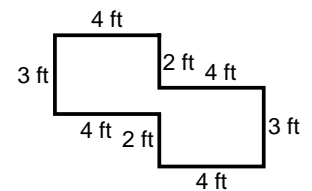
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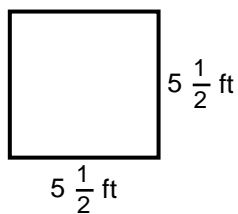
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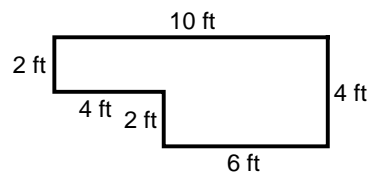
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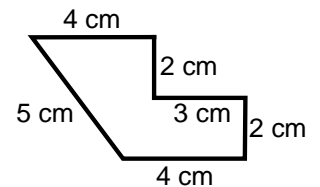
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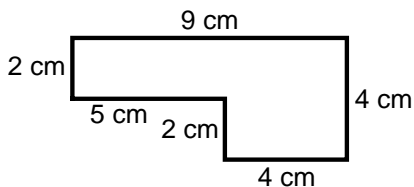
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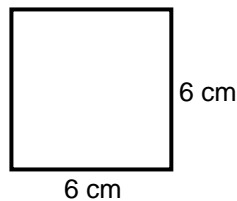
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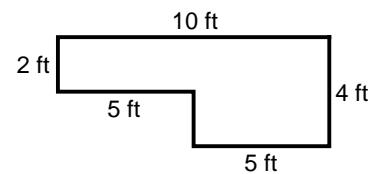
19.



20.



21.



Answer Key Skill 22A Grade 5

- | | | | | |
|-----------|-----------|-----------|-----------|-----------|
| 1. 8 ft | 2. 25 cm | 3. 15 in. | 4. 32 m | 5. 28 cm |
| 6. 16 m | 7. 28 cm | 8. 22 m | 9. 25 in. | 10. 24 ft |
| 11. 20 ft | 12. 24 cm | 13. 20 ft | 14. 51 cm | 15. 26 ft |
| 16. 22 ft | 17. 28 ft | 18. 20 cm | 19. 26 cm | 20. 24 cm |
| 21. 26 ft | | | | |