

Pre-Algebra Homework #17

- 1) Find the mean, median, mode, range, interquartile range, and mean absolute deviation of this following set of numbers. Round to the nearest tenth when needed.

80, 93, 83, 83, 95, 77

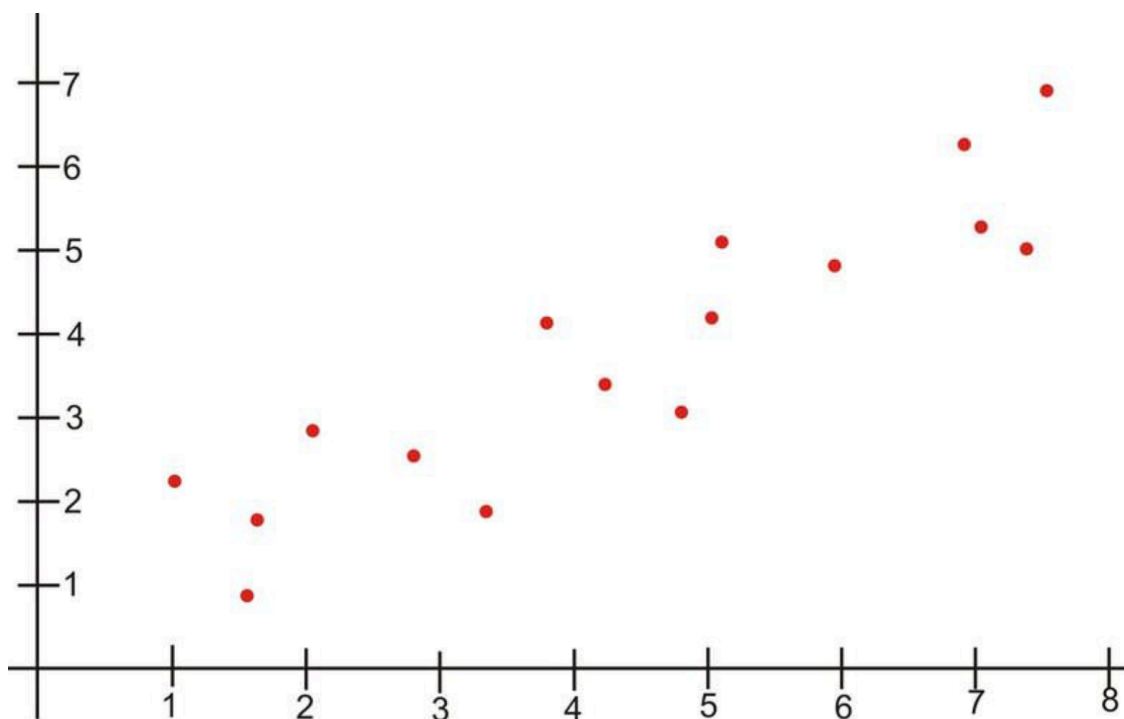
- 2) Create a box plot with the following set of data. Round to the nearest tenth when needed.

65, 85, 47, 36, 61, 23, 25, 24, 56, 55, 72

- 3) Create a histogram with the following set of data.

10, 12, 3, 38, 27, 38, 43, 46, 52, 63, 70, 66, 67, 70, 99, 98, 84, 95

- 4) Describe the correlation of the following scatter plot.



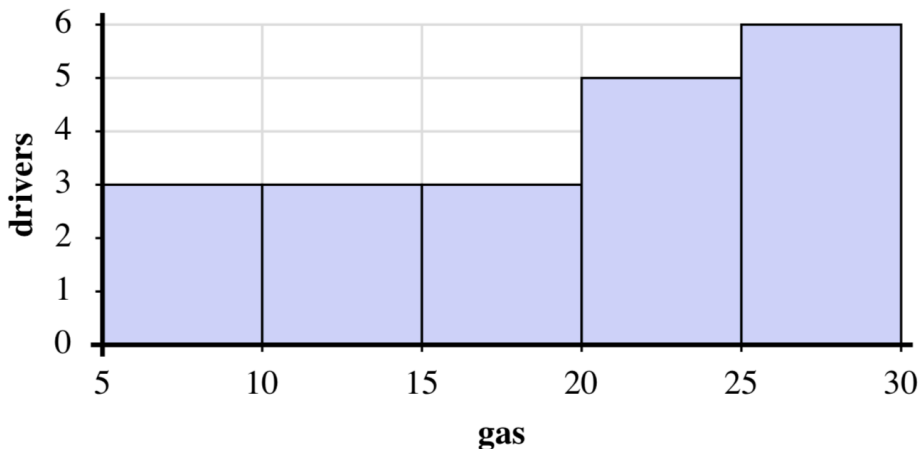
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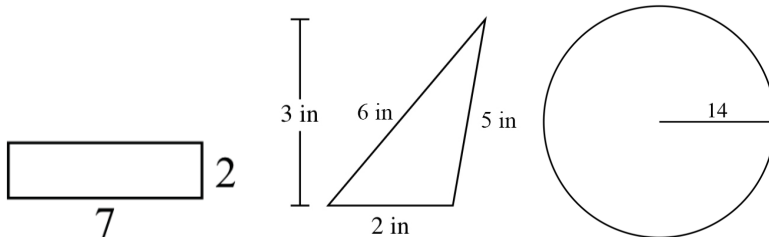
5) Use the histogram to answer the following questions.

The histogram below show the gallons of gas drivers purchased each week.

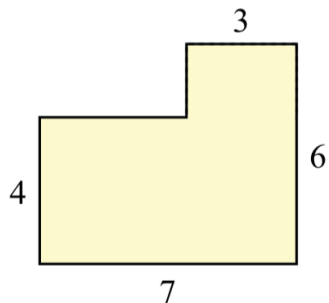


- Most drivers purchased between ___ and ___ gallons.
- How many drivers purchased between 5 and 10 gallons?
- How many drivers are represented in this histogram?
- If a driver purchased 10 gallons which bar would they be added to?

6) Find the area and perimeter of each shape. Give exact and approximate answers when appropriate. Assume that $\pi = 3.14$



7) Find the area and perimeter of the following rectilinear.



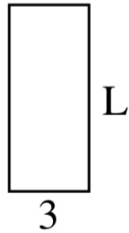
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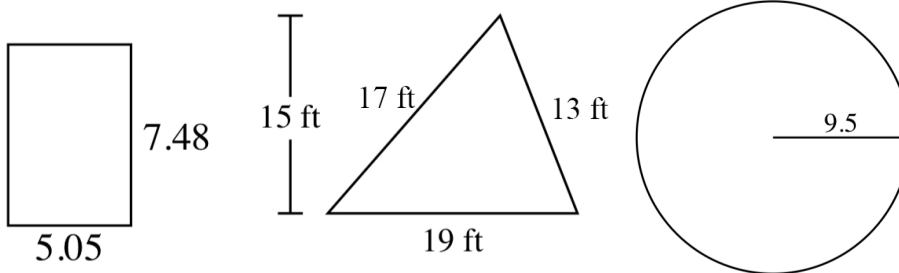
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- 8) Find the missing side.

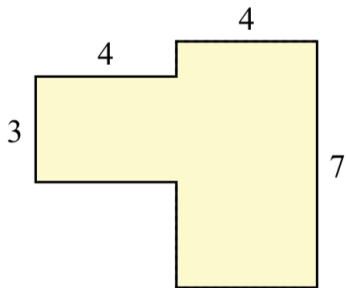
$$\text{Area} = 21$$



- 9) Find the area and perimeter of each shape. Give exact and approximate answers when appropriate. Assume that $\pi = 3.14$

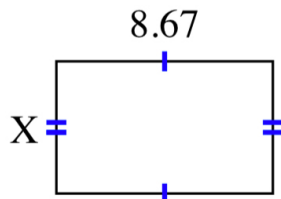


- 10) Find the area and perimeter of the following rectilinear.



- 11) Find the missing side.

$$\text{Area} = 45.951$$

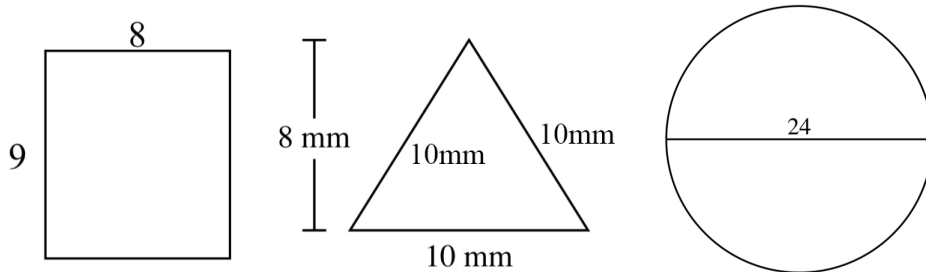


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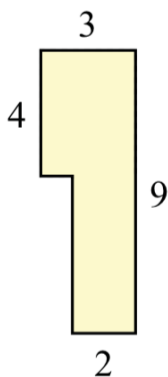
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- 12) Find the area and perimeter of each shape. Give exact and approximate answers when appropriate. Assume that $\pi = 3.14$

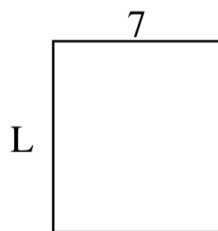


- 13) Find the area and perimeter of the following rectilinear.



- 14) Find the missing side.

$$\text{Perimeter} = 30$$



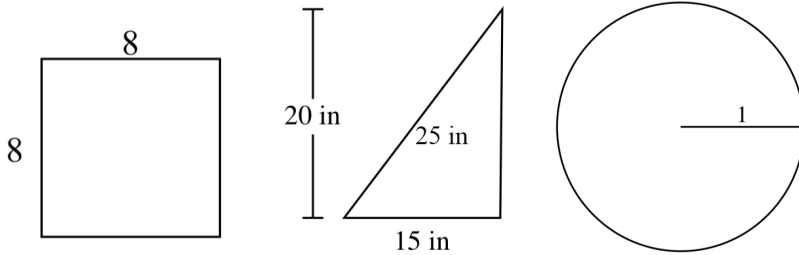
- 15) A rug had a length of 7 feet and a total area of 35 square feet. What is the width of the rug?

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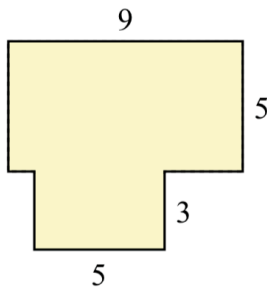
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- 16) Find the area and perimeter of each shape. Give exact and approximate answers when appropriate. Assume that $\pi = 3.14$

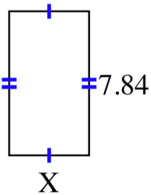


- 17) Find the area and perimeter of the following rectilinear.



- 18) Find the missing side.

Area = 34.104



- 19) A restaurant added a new outdoor section that was 9 feet wide and 5 feet long. What is the perimeter of their new outdoor section?
- 20) The woods behind Wendy's house were 8 miles wide and have an area of 24 square miles. What is the length of the woods?

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