Name: _____ Period: _____ Date: _____

Homework 12-2
Volume
Unit 12

Mixed review.
For questions 1-6, find the tip, tax, or discount or the actual price as specified in the question.

1. What would a 20% tip on a $32.00 dinner be?

2. What would the total cost of a $45.87 dinner be with a 15% tip?

3. What would the amount of the tax be on a shirt that costs $15.95 if tax is 6.75%?

4. What would be the amount of the total sale if tax is 5.25% and the cost of a pair of pants you want is $49.95.

5. Jessica went to buy a cd for $10.95. When she got to the store she found out that there was a 15% discount. How much did Jessica save?

6. Doug was buying a video game that usually costs $49.95 but when he got to the store found out there was a 30% discount. How much did he have to pay for the video game?

7. Put the following in order from greatest to least. $\frac{15}{8}$, **1.99, 175%,** ***and*** $\frac{12}{7}$

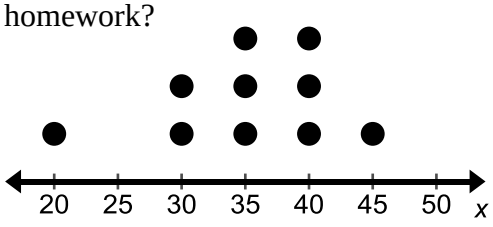
8. Compare the following using <, >, or =.

$\frac{2}{5}$ ___ $-\frac{1}{2}$

9. Compare the following using <, >, or =.

$-\frac{3}{8}$ ___ $-\frac{2}{7}$

10. The plot shows the number of minutes students spent on homework. What is the mean number minutes they spent on homework?

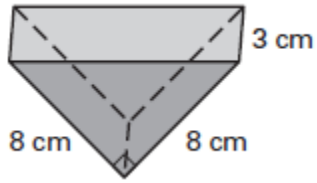


11. Using the set of data below, find the median.
13, 23, 10, 9, 18, 17, 9, 18, 27

12. Using the set of data below, find the range.
13, 23, 10, 9, 18, 17, 9, 18, 27

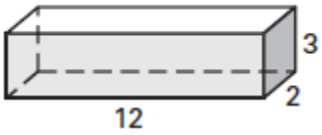
Find the volume of the following figures.

13.



Hint: Find the area of the triangle and multiply by the length

14.



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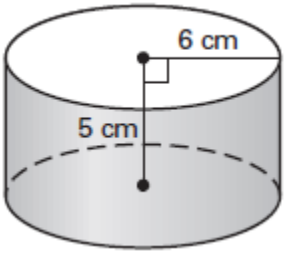

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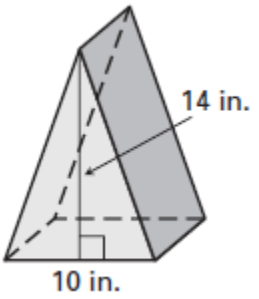
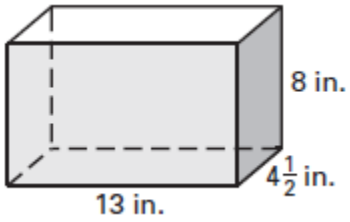


6 in.

17.



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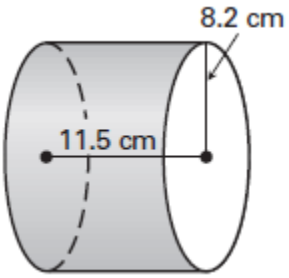
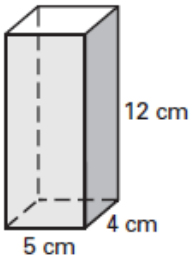
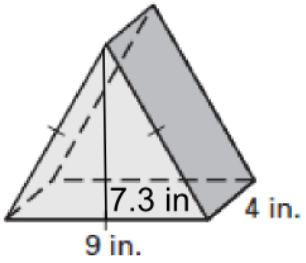


19.



20.