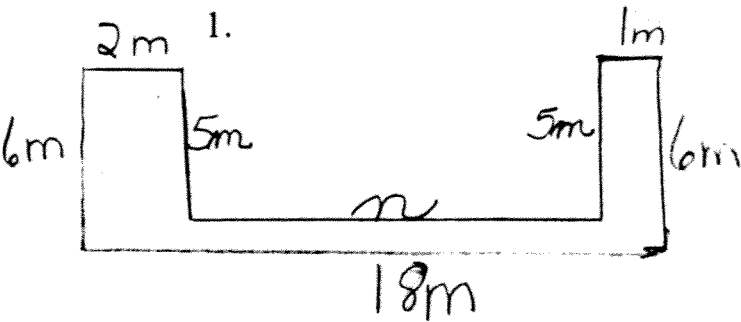


REVIEW Chapters 10 & 8

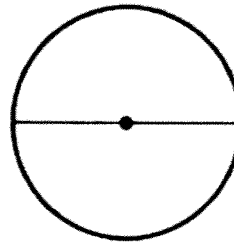
Find Area & Perimeter of 2-Dimensional Figures (10.1, 10.2, & 10.5)

Find the perimeter or circumference and any unknown side measure of each figure. Show work to justify your answers.



side n = _____
 Perimeter = _____

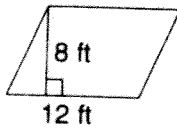
2. Circumference = 62.8 cm



diameter = _____

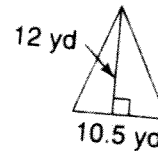
Find the area of each figure. Show your work. Be sure to label!!

3.



Area = _____

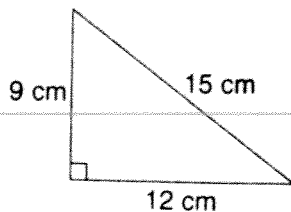
4.



Area = _____

Find the Perimeter and the Area. Show your work. Be sure to label!!

5.



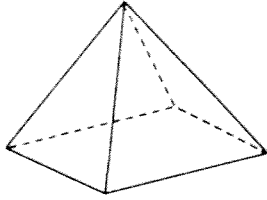
Perimeter = _____

Area = _____

Identify 3-Dimensional Figures & Find Volume of Prisms (10.6-10.8)

Name the polyhedron. Then identify the number of faces (F), edges (E), and vertices (V).

6.

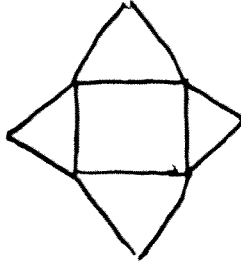


Name: _____

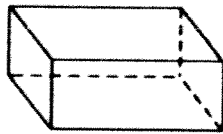
F = _____ E = _____ V = _____

Multiple Choice: Circle the correct answer.

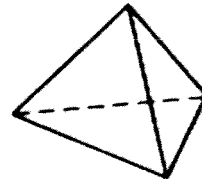
7. Which of the solids could be formed by folding this net?



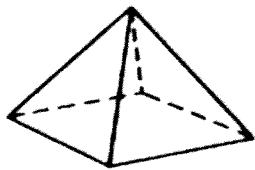
A.



B.



C.

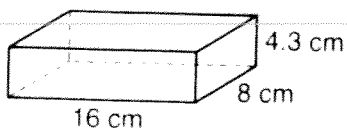


D.



Find the volume. Show work to justify your answer. Be sure to label!!

8.



Volume = _____

Determine Geometric Transformations

(7.10)

Tell whether each is a translation, rotation or reflection. Write your answer in the blank provided.

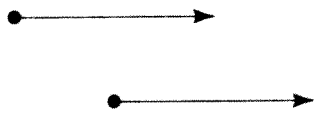
9.



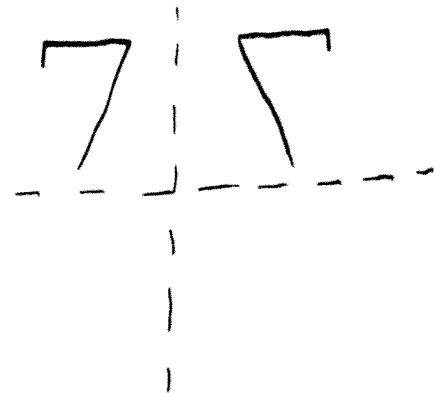
10.



11. Label each transformation (translation, reflection or rotation).

a.

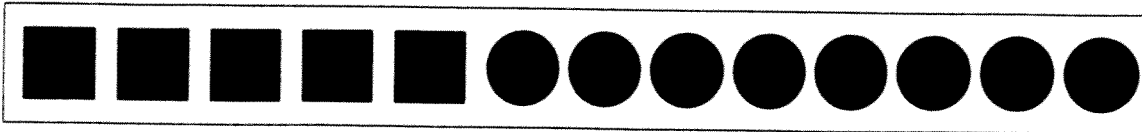
b.

c.

Write and Find Rates and Ratios

(8.1)

Use the shapes pictured to find each ratio. *Write each ratio in three different ways.*



12. Circle to Squares _____

13. Squares to All Shapes _____

Find the following rates. Show work to justify your answers.

14. The Scott Science Olympiad team scored 568 points in 8 competitions. How many points did they score in an average competition?

14. _____

15. At Hy-Vee 8 pounds of strawberries are \$6.48, or 5 pounds of strawberries for \$4.10. Which is a better buy?

15. _____

Write and Solve Proportions

(8.2 & 8.3)

Find the missing value in each proportion. Show your work.

16. $\frac{6}{15} = \frac{10}{n}$

17. $\frac{8}{12} = \frac{n}{21}$

Solve. Show your work.

18. The value of 6 U.S. dollars is about 168 Russian rubles.
What is the value of 25 rubles?

18. _____

Conversion table.

Length	Weight	Time	Capacity
1 foot = 12 inches 1 yard = 36 inches 1 yard = 3 feet 1 mile = 5,280 feet 1 mile = 1,760 yards	1 pound = 16 ounces 1 ton = 2,000 pounds	1 minute = 60 seconds 1 hour = 60 minutes 1 day = 24 hours 1 week = 7 days 1 year = 365 days 1 leap year = 366 days	1 cup = 8 fluid ounces 1 pint = 2 cups 1 quart = 2 pints 1 quart = 4 cups 1 gallon = 4 quarts 1 gallon = 16 cups

Find each missing value. You may use the table to find conversion rates.

Show your work.

19. ____ Cups = 72 fl oz.

20. 2.5 days = _____ hours

Error analysis.

21. Mr. Error said he is 72 inches tall and that he is taller than his friend, John. John is 6.25 feet tall. Mr. E. said 72 is much bigger than 6.25, so that is why he is taller. In the box below, show and explain to Mr. Error that he is **not** correct.

Complete the table.

22. Write each percent as a fraction in simplest form and as a decimal.

	Percent	Fraction (simplest form)	Decimal
A.	88%		
B.	475%		
C.	5%		

Compare using $>$, $<$, or $=$. Show your work.

23. 15% of 60  45% of 19

Solve. Show your work.

24. Lance saved 15% on a game that had an original price of \$60. What was the sale price before sales tax was added?

24. _____

25. Lance also bought a pack of batteries for \$ 11.50, he had to pay 7% sales tax. What will his total cost be for the batteries?

25. _____