

1pg GLO6FE

1) Solve the following proportions:

- a) $A/4 = 35/56$
- b) $9/B = 2/16$
- c) $15/60 = C/28$
- d) $12/18 = 20/D$

2) Write the ratios of the following:

- a) The number of pennies in four dimes to the number of nickels in two dollars.
- b) The number of minutes in a half hour to the number of hours in a day and a half.

3) Find the unit rate of the following examples:

- a) \$5.50 for a half hours work.
- b) 3 miles walked in $1\frac{1}{2}$ hours.

4) Evaluate the problems below:

- a) What is 25% of 24?
- b) 6 is 20% of what?
- c) What percent of 60 is 6?

5) Fill in the chart below

fraction	decimal	percent
$3/5$		
	0.75	
		20%
$1/8$		
	0.32	
		2%

6) Compare using <, >, =

- $3/5$ _____ 0.35
- 0.2 _____ -0.98
- 0.8 _____ 0.08
- $6/8$ _____ 0.75
- $-2/5$ _____ -2.0

7) If A = 2, B = 3 and C = 5, evaluate each expression below:

- a) $4(A + B + C)^2 =$
- b) $B^3 - C^2 =$

8) Solve each equation for X:

- a) $X + 17 = 30$
- b) $4X = 60$

9) Complete the chart below.

X	Y
2	13
3	14
5	16
7	
	1000

Write a rule for completing the chart.

10) Arrange in increasing order:

-5.0, 5.5, $-2\frac{1}{2}$, 0.5, $(1)^5$

11) Add:

- a) $13 + 2\frac{1}{2} + 7\frac{5}{6} =$
- b) $7 + 1.4 + 0.028 =$

12) Subtract:

- a) $6 - 2\frac{5}{6} =$
- b) $11\frac{7}{10} - 2\frac{4}{5} =$
- c) $9 - 0.6 =$
- d) $15.3 - 8.202 =$

13) Multiply:

- a) $65 \times 384 =$
- b) $729 \times 100 =$
- c) $9.1 \times 0.42 =$
- d) $0.03 \times 10 =$
- e) $45 \times 1/5 =$
- f) $4\frac{1}{5} \times 1\frac{1}{2} =$

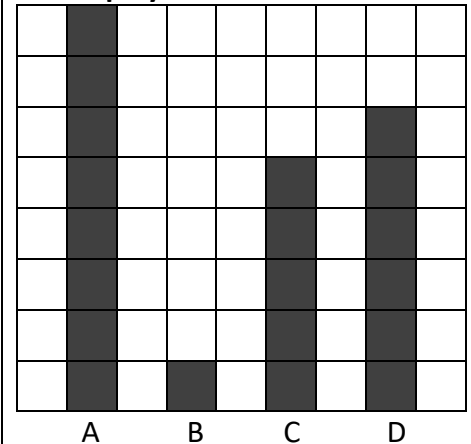
14) Divide:

- a) $1872 \div 3.6 =$
- b) $2.7 \div 1000 =$

Name _____

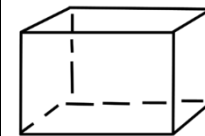
- c) $35 \div 0.70 =$
- d) $2.88 \div 2.4 =$
- e) $\frac{3}{4} \div 1\frac{1}{4} =$
- f) $1\frac{2}{3} \div \frac{1}{6} =$

15) In the data display below, the value of column C is 10. Find the mean, median, mode and range of the display.

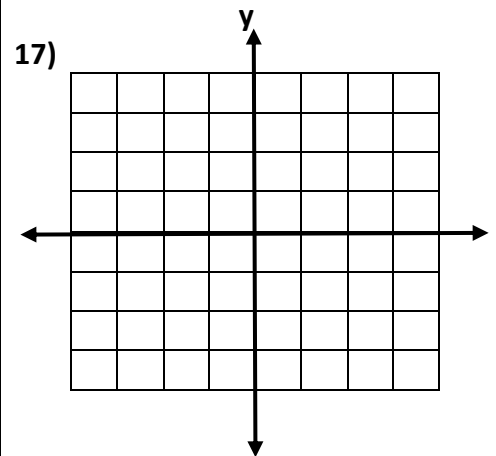


16) Find the volume and the total surface area of the rectangular prism below:

L = 5 in. W = 4 in. H = 3 in.



17)



On the coordinate chart above, plot and label the following points:

A (-3,3) B (0,1) C (-1,-4) D (3,0)