

1pg GLO6FF

1) Solve the following proportions:

- a) $A/12 = 20/48$
- b) $45/B = 27/3$
- c) $25/30 = C/42$
- d) $3/9 = 9/D$

2) Write the ratios of the following:

- a) The number of pennies in two dimes to the number of nickels in one dollar.
- b) The number of seconds in a half minute to the number of hours in a half day.

3) Find the unit rate of the following examples:

- a) \$24.50 for 7 pounds of butter.
- b) 6 miles run in $1\frac{1}{2}$ hours.

4) Evaluate the problems below:

- a) What is 25% of 4?
- b) 10 is 20% of what?
- c) What percent of 60 is 30?

5) Fill in the chart below

fraction	decimal	percent
$1/5$		
	0.15	
		80%
$3/8$		
	0.9	
		1%

6) Compare using <, >, =

- $3/5$ _____ 3.55
- -0.7 _____ -6
- 0.8 _____ $4/5$
- $6/8$ _____ 0.75
- -9 _____ -2.0

7) If A = 0, B = 2 and C = 3, evaluate each expression below:

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

8) Solve each equation for X:

- a) $X - 25 = 30$
- b) $12X = 60$

9) Complete the chart below.

X	Y
2	12
3	18
5	30
7	
	60

Write a rule for completing the chart.

10) Arrange in increasing order:

$-4.0, 4.4, -4\frac{1}{2}, 0.4, (1)^4$

11) Add:

- a) $11 + 5\frac{1}{2} + 7\frac{5}{8} =$
- b) $23 + 3.4 + 0.028 =$

12) Subtract:

- a) $9 - 8\frac{5}{6} =$
- b) $14\frac{3}{10} - 7\frac{4}{5} =$
- c) $3 - 0.7 =$
- d) $22.1 - 6.207 =$

13) Multiply:

- a) $72 \times 365 =$
- b) $913 \times 100 =$
- c) $7.1 \times 0.44 =$
- d) $0.26 \times 10 =$
- e) $49 \times 1/7 =$
- f) $6\frac{1}{5} \times 5\frac{5}{8} =$

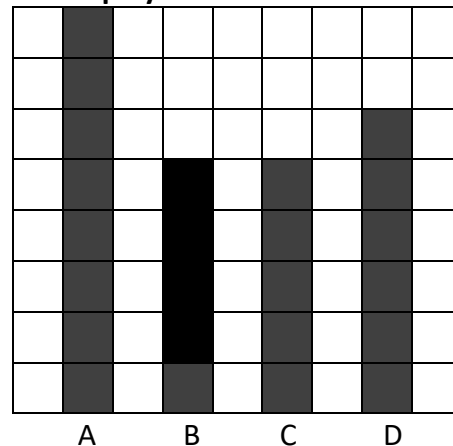
14) Divide:

- a) $4.032 \div 4.8 =$
- b) $0.6 \div 1000 =$

Name _____

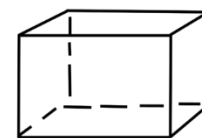
- c) $35 \div 0.70 =$
- d) $1.44 \div 2.4 =$
- e) $\frac{1}{4} \div 2\frac{1}{4} =$
- f) $1\frac{2}{3} \div \frac{5}{6} =$

15) In the data display below, the value of column A is 16. Find the mean, median, mode and range of the display.

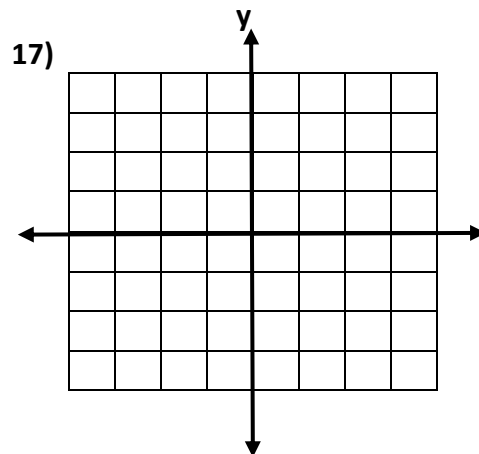


16) Find the volume and the total surface area of the rectangular prism below:

L = 6 in. W = 4 in. H = 4 in.



17)



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

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