

1pg GLO6FC

1) Solve the following proportions:

- a) $A/6 = 55/30$
- b) $7/B = 63/18$
- c) $9/36 = C/40$
- d) $4/12 = 24/D$

2) Write the ratios of the following:

- a) The number of pennies in a half-dollar to the number of nickels in a dollar.
- b) The number of seconds in two minutes to the number of hours in five days.

3) Find the unit rate of the following examples:

- a) 8 pounds of lobster for \$52.00
- b) 345 miles traveled on 15 gallons of gas.

4) Evaluate the problems below:

- a) What is 25% of 40?
- b) 9 is 20% of what?
- c) What percent is 10 of 20?

5) Fill in the chart below

fraction	decimal	percent
$2/5$		
	0.55	
		1%
$1/2$		
	0.3	
		75%

6) Compare using <, >, =

- $1/4$ _____ 0.75
- 0.8 _____ - 0.1
- 0.70 _____ 0.6000
- $1/2$ _____ 0.12
- $-3/8$ _____ -2.0

7) If A = 1, B = 3, C = 5 and D = 0, evaluate each expression below:

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

8) Solve each equation for X:

- a) $23 + X = 32$
- b) $6X = 72$

9) Complete the chart below.

X	Y
2	10
3	15
5	25
7	
	100

Write a rule for completing the chart.

10) Arrange in increasing order:

-0.2, (3^2) , $-2\frac{1}{2}$, 0.2, $(1)^5$, $(0)^4$

11) Add:

- a) $6 + 3\frac{3}{5} + \frac{3}{5} =$
- b) $7.1 + 6 + 0.89 =$

12) Subtract:

- a) $5 - 2\frac{3}{4} =$
- b) $9\frac{1}{10} - \frac{1}{5} =$
- c) $4 - 0.1 =$
- d) $8.4 - 3.25 =$

13) Multiply:

- a) $83 \times 715 =$
- b) $2616 \times 100 =$
- c) $0.34 \times 0.03 =$
- d) $0.67 \times 10 =$
- e) $27 \times \frac{1}{3} =$
- f) $1\frac{3}{5} \times \frac{5}{8} =$

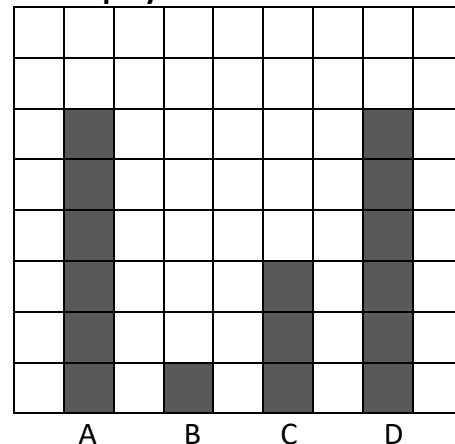
14) Divide:

- a) $1344 \div 0.24 =$
- b) $0.8 \div 1000 =$

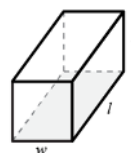
Name _____

- c) $32 \div 0.80 =$
- d) $6.6 \div 15 =$
- e) $\frac{4}{5} \div \frac{1}{3} =$
- f) $3\frac{2}{3} \div \frac{1}{3} =$

15) In the data display below, the value of column B is 3. Find the mean, median, mode and range of the display.

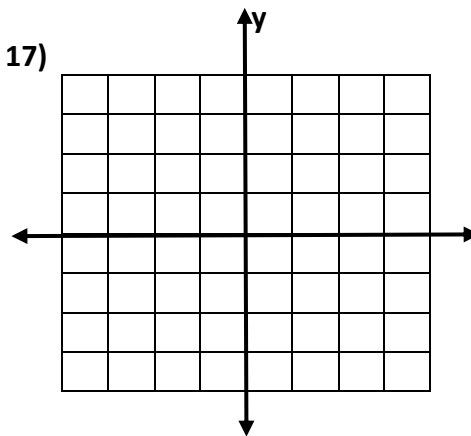


16) The volume of the rectangular prism shown below is 24 in^3 . Find the Width and Total Surface Area.



$L = 6 \text{ in.}$ $H = 2 \text{ in.}$

17)



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

A (3,0) B (0,-2) C (-4,-4) D (-2,3)