1pg GLO6FD

1) Solve the following proportions:

a) A/5 = 14/35
b) 12/B = 60/5
c) 18/6 = C/60
d) 2/24 = 6/D

2) Write the ratios of the following:

a) The number of pennies in three nickels to the number of dimes in a half dollar.

b) The number of seconds in a half minute to the number of hours in a day.

3) Find the unit rate of the following examples:

a) 12 oz. of juice for $1.56

b) 300 miles traveled in 5 hours.

4) Evaluate the problems below:

a) What is 25% of 16?

b) 11 is 20% of what?

c) What percent of 20 is 5?

5) Fill in the chart below

fraction	decimal	percent
1/5		
	0.35	
		2%
5/8		
	0.9	
		100%

6) Compare using <, >, =

2/6 ____ 0.3
- 0.5 ____ - 0.4
0.60 ____ 0.6000
1/5 ____ 0.2
-7 ____ -1.08

7) If A = 2, B = 3, C = 5 and D = 0, evaluate each expression below:

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

8) Solve each equation for X:

a) X - 12 = 28
b) 4X = 52

9) Complete the chart below.

X	Y
2	-3
3	-2
5	0
7	
	100

Write a rule for completing the chart.

10) Arrange in <u>decreasing</u> order:
$(6)^0$, -0.6, 0.65, -6 ½ , 0.6, $(2)^2$

11) Add:
a) $9 + 5\ ^3/_8 + \ ^7/_8$ =
b) 35.5 + 0.027 + 2 =

12) Subtract:
a) $7 - 3\ ^4/_5$ =
b) $16\ ^3/_{10} - \ ^4/_5$ =
c) 5 – 0.26 =
d) 22.2 – 15.057 =

13) Multiply:
a) 54 X 162 =
b) 19 X 100 =
c) 4.15 X 0.02 =
d) 2.94 X 10 =
e) 30 X $^1/_6$ =
f) $3\ ^1/_3$ X $^3/_5$ =

14) Divide:
a) 0.432 ÷ 0.12 =
b) 17.55 ÷ 1000 =

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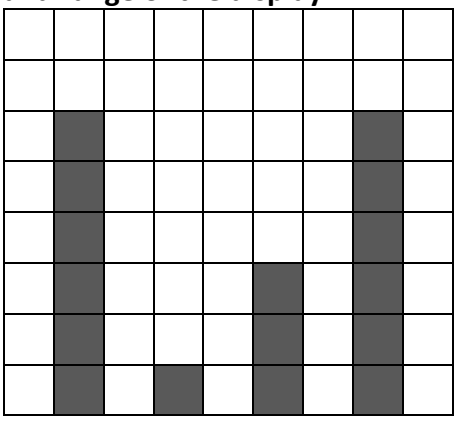
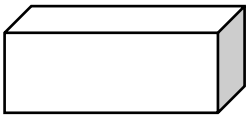
c) 45 ÷ 0.09 =
d) 0.56 ÷ 16 =
e) $^1/_2 \div ½$ =
f) $3\ ^3/_4 \div \ ^1/_4$ =

15) In the data display below, the value of column C is 12. Find the values of the mean, median, mode and range of the display.

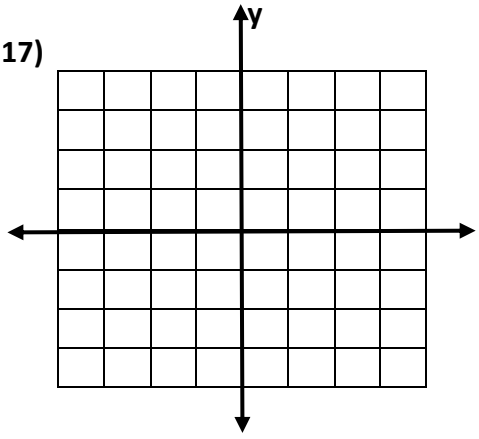


16) The volume of the rectangular prism shown below is 72 in^3. Find the Length and Total Surface Area.

W = 4 in. H = 3 in.



17)



On the coordinate chart above, plot and <u>label</u> the following points:
A (4,2) **B** (0,2) **C** (-3,-4) **D** (-3,0)