1pg GLO6FB

1) Solve the following proportions:

a) A/3 = 99/27
b) 11/B = 77/14
c) 9/10 = C/60
d) 18/24 = 6/D

2) Write the ratios of the following:

a) The number of pennies in a quarter to the number of dimes in a dollar.

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

3) Find the unit rate of the following examples:

a) Price per egg at $1.20/dzn.

b) 300 miles traveled on 12 gallons of gas.

4) Evaluate the problems below:

a) What is 25% of 16?

b) 7 is 20% of what?

c) What percent is 4 of 40?

5) Fill in the chart below

fraction	decimal	percent
4/5		
	0.95	
		10%
1/8		
	0.12	
		50%

6) Compare using <, >, =

3/4 ____ 0.75
- 0.4 ____ -0.3
0.6 ____ 0.6000
1/5 ____ 0.125
-7/8 ____ -1.0

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

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

8) Solve each equation for X:

a) 16 + X = 28
b) 4X = 60

9) Complete the chart below.

X	Y
2	4
3	9
5	25
7	
	100

Write a rule for completing the chart.

10) Arrange in increasing order:
$(0)^5$, -0.7, 0.1, -1 ½ , 0.9, $(1)^7$

11) Add:
a) $5 + 3\ ^3/_4 + \ ^5/_4$ =
b) 2.35 + 0.014 + 6 =

12) Subtract:
a) $8 - 2\ ^1/_5$ =
b) $7\ ^3/_{10} - \ ^1/_5$ =
c) 2 – 0.18 =
d) 11.1 – 3.256 =

13) Multiply:
a) 64 X 452 =
b) 788 X 100 =
c) 9.1 X 0.03 =
d) 8.73 X 10 =
e) $35 \times \ ^1/_5$ =
f) $3\ ½ \times \ ^2/_7$ =

14) Divide:
a) 3.172 ÷ 0.52 =
b) 9 ÷ 1000 =

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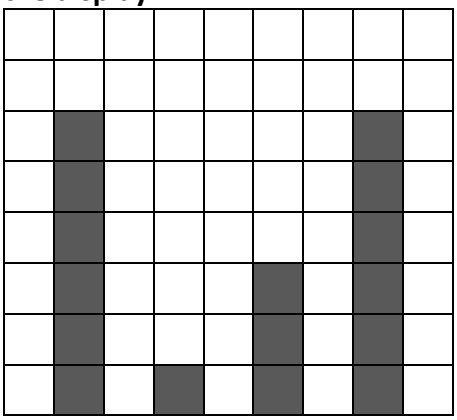
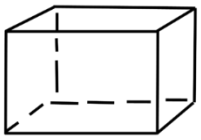
c) 24 ÷ 0.08 =
d) 0.702 ÷ 13 =
e) $^1/_5 \div ½$ =
f) $4\ ^2/_5 \div \ ^1/_5$ =

15) In the data display below, the value of column C is 6. Find the mean, median, mode and range of the display.

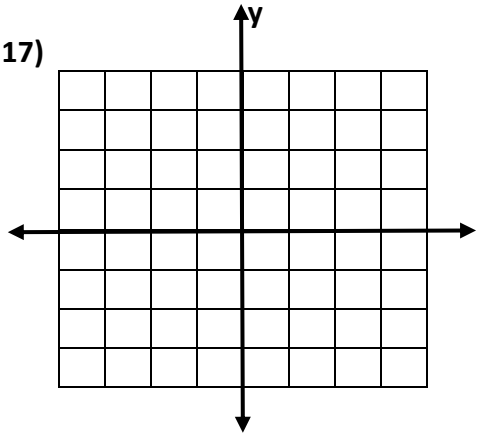


16) The volume of the rectangular prism shown below is 60 in^3. Find the Length and Total Surface Area.

W = 4 in. H = 3 in.



17)



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