1pg GL05 Form B

1). In the number below, draw a circle around the digit in the millions place, draw a square around the digit in the ten thousands place and draw a triangle around the digit in the tenths place:

58,190,443,538

2). Write in standard form:
Four million, one hundred three thousand, five hundred forty and nine tenths.

4,103,540.9

3). Fill in the chart below

fraction	decimal	percent
1/4	**0.25**	**25%**
7/10	0.7	**70%**
3/4	**0.75**	75%
1/2	**0.5**	**50%**
1/10	0.1	**10%**
1/5	**0.2**	20%

4). Compare using <, >, =

3/7 __<__ 4/7
0.5 __<__ 0.55
1/2 __=__ 0.5
2/8 __=__ 1/4

5). Evaluate each expression below:

8(5 - 3) = **16**

[3 + 3][3/3]= **6**

50 + (6 X 3) = **68**

6). Write the numerical expression for:
Four times the difference of twelve and nine.

4(12 – 9)

7). Complete the chart

X	Y
2	11
3	12
5	14
7	**16**
11	20

Write a rule for completing the chart.
Y is equal to X plus 9, Y = X + 9 or X is equal to Y minus 9, X = Y - 9

8). Arrange in decreasing order:
5/2, 2 ¾ , 2.1, 3 ½ , 1.99, 2/1

3 ½, 2 ¾, 5/2, 2.1, 2/1, 1.99

9). Add:
a) $6 + 1\,{}^{2}/_{3} + 5/6 =$ **8 ½**
b) 22 + 4.06 + 0.025 = **26.085**
c) 100 + 100 + 10 + 2.6 = **212.6**

10). Subtract:
a) 7 – 5 ¾ = **1 ¼**
b) $8\,{}^{1}/_{10} - {}^{4}/_{5} =$ **$7\,{}^{3}/_{10}$**
c) 2 – 0.35 = **1.65**
d) 10.4 – 4.81 = **5.59**

11). Multiply:
a) 354 X 46 = **16,284**
b) 100 X 728 = **72,800**
c) (0.3)(0.44) = **0.132**
d) 9.52 X 10 = **95.2**
e) 32 X 1/4 = **8**
f) 3/5 X 5/6 = **½**
g) (10)(3)(10)(10) = **3000**

12). Divide:
a) 1248 ÷ 52 = **24**
b) 365 ÷ 100 = **3.65**
c) 42 ÷ 0.6 = **70**
d) 288 ÷ 0.12= **2400**
e) 1/3 ÷ 5 = **1/15**
f) 8 ÷ 1/2 = **16**
g) 406/100 = **4.06**

KEY

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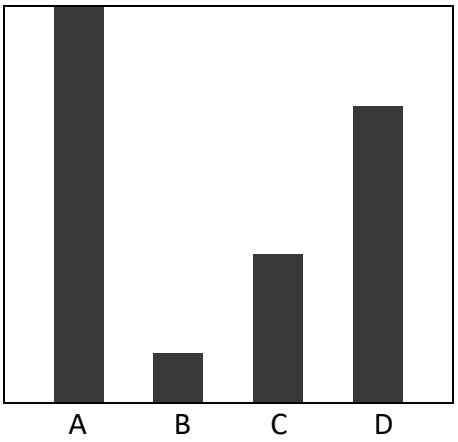
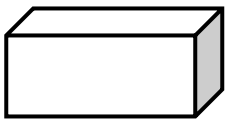
13). Convert the following measurements:

a) $3\,{}^{1}/_{4}$ ft. = __**39**__ inches
b) 7.2 meters = __**720**__ cm

14). In the data display below, the value of column C is 3.
What is a reasonable estimate for the value of B + D ? **About 7**

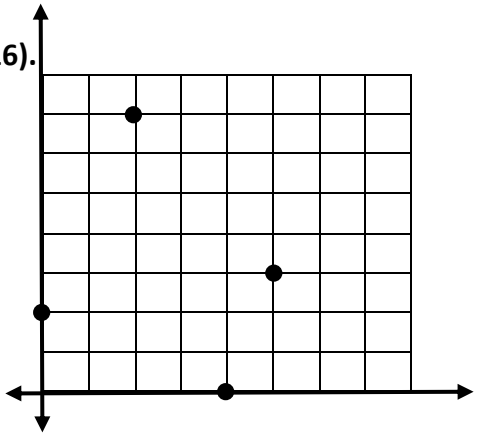


15). Find the volume of the rectangular prism below:
L = 6 in. W = 4 in. H = 3 in.



V=72 cu. in.

16).



On the graph above, plot and <u>label</u> the following points:
A (5,3) B (4,0) C (2,7) D (0,2)