GA Milestone Review #1

**This is due Monday, Feb. 22 for a formative grade.** **Complete these problems over Winter Break.**

Monday

1. Evaluate 47 - 3.85

a. 44.85 c. 43.15

b. 43.85 d. 338

2. Which of the following does NOT have a value of 81?

a. $3^{4}$ c. 3 • 3 + 72

b. $3^{2}$+3 • 3 d. $9^{2 }$

3. The cost of Bentley's large storage unit is $285.47 per month. If Bentley pays in advance for 3 years of storage, how much will he pay in all?

a. $856.41 c. $9,951.28

b. $6,851.28 d. $10,276.92

4. What is the solution to x + 4 = 37?

a. 32 c. 41

b. 33 d. 42

5. What is $8÷2\frac{1}{2}$?

a. $3\frac{1}{5}$ c. $16\frac{1}{2}$

b. $4\frac{1}{2}$ d. 20

Tuesday

1. Evaluate $\frac{1}{9^{2}}$

a. 81 c. $\frac{1}{18}$

b. $\frac{1}{81}$ d. 18

2. Evaluate 36 + 9.87

a. 44.87 c. 45.870

b. 1347 d. 26.130

3. Simplify using the distributive property:

 3(2x - 11)

a. 3x - 11 c. 6x - 11

b. 6x - 33 d. 2x - 33

4. Which expression does NOT have the same value as 7(4 + 22)?

a. 7 • 26 c. 7 • 4 + 22

b. (7 • 4) + 154 d. 28 + (7 • 22)

5. Find the product. $1\frac{4}{9} ×2$

a. $1\frac{2}{3}$ c. $2\frac{1}{6}$

b. 2 d. $2\frac{8}{9}$

Wednesday

1. What is the value of the expression below?

$$75-7×2^{3}$$

a. 19 c. 136

b. 61 d. 272

2. What is the reciprocal of $3\frac{2}{3}$?

a. $\frac{3}{11}$ c. $\frac{11}{3}$

b. $\frac{3}{2}$ d. $\frac{1}{3}$

3. Megan read 15% of a book last night. What is another way of expressing this number?

a. 0.15% c. $\frac{3}{20}$

b. $\frac{15}{85}$ d. 15

4. Evaluate 7a - 5 if a=9

a. 48 c. 68

b. 58 d. 74

5. Mark operates a landscaping business in Duluth. He charges $8.50 per hour to perform simple yard work. If he works $4\frac{1}{2}$ hours on a particular yard, what is his fee?

a. $13.00 c. $34.00

b. $18.75 d. $38.25

Thursday

1. What is $\frac{5}{7}$ divided by $\frac{7}{10}$?

a. $\frac{1}{2}$ c. $\frac{2}{3}$

b. $\frac{48}{49}$ d. $1\frac{1}{49}$

2. Mike scored 22 points in the basketball game. He made 7 free throws in 11 attempts. What is the ratio of attempts to free throws?

a. 7 to 11 c. 11 to 7

b. 7 to 22 d. 22 to 7

3. What is the solution of this inequality?

 $x-12<36$

a. $x<3$ c. $x<48$

b. $x<24$ d. $x<72$

4. At a used book sale Ms. Payne bought $x$ books at $1.85 each. Which expression tells how much she spent in all?

a. 1.85x c. (1.85 • 2) + x

b. 1.85 + x d. x + 1.85