**Jennings Math 8 Quiz – Multiplying and Dividing Fractions**

You may use a 25 x 25 multiplication chart. No calculators for this quiz.

You should be able to:
- add, subtract, multiply and divide fractions
- identify what operations to use to solve fraction problems

- solve problems involving 1 to 3 steps

Prior knowledge you might apply:
- addition and subtraction
- use of equivalent and simplification of fractions
- changing improper fractions/ mixed fractions

- using BEDMAS for order of operations

***Procedural Questions.***

Solve these equations. Box answers and show work.

There is one addition, one subtraction, one multiplication and one division.

There is one that requires order of operations to be used.

1. $2\frac{3}{4} and \frac{4}{5} is$
2. $ \frac{5}{6} of 2\frac{7}{8} is$
3. $How many thirds make up 3\frac{2}{3}$?
4. $the difference between 2\frac{1}{6} and\frac{1}{2} is$
5. Solve: $2\left(\frac{1}{3}\right)+\left(\frac{4}{5} - \frac{1}{3}\right)$

***Problem Solving***

Show your work.

Box answers.

Use units.

Write a sentence to answer the question.

1. Cats sleep an average $\frac{3}{4}$ of a 24 hour day. How many hours in a day do they sleep on average?
2. For Flex Friday PE block, 2/5 of this Grade 8 class want to play dodgeball. 1/5 of each the Grade 8 want to go for a walk. The rest want to play ping pong. There are 30 students in this class here today. How many students want to play ping pong?
3. The Green Team community garden yielded $23\frac{1}{2}$ pounds of potatoes. They gave $\frac{2}{3}$ of the total yield to the food bank, and the rest to Foods option. How many pounds of potatoes did the Foods option receive?
4. The Green Team harvest $9\frac{1}{3}$ pounds of carrots from the Community Garden, and placed them in equal quantities in 7 boxes for the Food Bank and Foods option. How many pounds of carrots are in each box?

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| Uses math reasoning to analyze and solve problems. |  |
| Develops and applies appropriate and efficient strategies for computation.  |  |
| **Self-reflection:** Do you feel you used your class time/homework opportunities wisely in this section? Why or why not? What do you think you need as we continue to work in math? |