

5th Grade Standards Review

$6 \overline{)105}$ 10
 $6 \overline{)105}$ 17 $\frac{3}{4}$
 $4 \overline{)17}$ 4
 $4 \overline{)17}$ 7 $\frac{1}{2}$

Name _____

PEMDAS

Monday 4/8
 Rylan was asked to solve the following problem, but she wasn't sure where to start. Solve the problem and explain the steps you took to find the answer.

$$[55 \div (5 + 6)] \times [(80 - 65) \div 5]$$

$$[55 \div 11] \times [15 \div 5]$$

$$5 \times 3 = 15$$

Monday 4/8
 What could I add to this expression so that the value would be tripled? Then, create an equation and solve.

$$[(88 + 17) \div 6 + 9] \times 3$$

$$[105 \div 6 + 9] \times 3$$

$$[17.5 + 9] \times 3$$

$$26.5 \times 3 = 79.5$$

Monday 4/8
 Mary and Joseph are planting flowers for Mother's Day. They are going to track the height of their plants every week leading up to Mother's Day. Mary's plant grows 2 inches in a week and Joseph's grows 4 inches in a week. Draw a graph of their plant's growth for the 5 weeks leading up to Mother's Day. Make sure to label your graph. Then, describe what you notice about each person's plant. What is the relationship you see?

M: ●
 J: □

J is 2 x bigger

Week	Mary's Plant (Inches)	Joseph's Plant (Inches)
0	0	0
1	2	4
2	4	8
3	6	12
4	8	16
5	10	20

Monday 4/8
 Which option is a correct interpretation of this numerical expression? PEMDAS
 $90 \times 5 + 16$

- a) Sixteen more than the product of 90 and 5
- b) The product of 90 and 5, increased by 16
- c) Sixteen added to the result of 90 times 5
- d) None of the above

If you choose none of the above, explain your reasoning and give a correct interpretation.

Monday 4/8
 Logan was asked to evaluate the following expression if $h=5$.

$$\{102 - [h \times (2 + 7) + 3 \times (21 - h)]\} \div 3$$

$$\{102 - [5 \times 9 + 3 \times 16]\} \div 3$$

$$\{102 - [45 + 48]\} \div 3$$

$$\{102 - 93\} \div 3 = 9 \div 3 = 3$$

Monday 4/8
 The United States has a population that is about 1/10 as large as China. If the United States' population is about 67.8 million, about how many people live in China? Explain how you know.

US: 67.8m x 10 = 678m China

Tuesday 4/9
 The number 17,000,000 is equal to _____ times the number 17,000. How do you know? Explain your thinking.

Tuesday 4/9
 Brady was multiplying 146.453 by 100 but is confused about where to put the decimal. Where would the decimal point be when he multiplied? Justify your answer.