

Name: _____ Per: _____ Date: _____

Data HOMEWORK #1

DUE FRIDAY _____

Homework will be assigned every Friday and will be due the following Friday. This gives you one full week (including a weekend) to complete the homework. There will be a short quiz on content covered in homework each Friday. I know outside of school you may have extracurricular activities such as music, sports or other activities. I also know some of you have other responsibilities at home that require your time after school. *If you have limited time and would like to complete the whole assignment in one sitting, please do so.* If you would like to do your homework a little at a time, I have provided a daily assignment guide. *I will provide time each class period, for you to ask any questions you have on the homework. Please ask!* Asking questions is part of the learning process. Please don't feel like you are alone in completing your homework. I am here and happy to help! The required sections of the homework should take you no more than 1.5 hours to complete. If it is taking longer, please come see me. **Challenge sections are optional.** If you feel like you want to challenge yourself and are looking to EXCEED beyond the standard PROFICIENT, do the challenge sections.

Please record how long it took you to complete each section of the homework in the table below.

Day of the Week	Required Problems	Optional Challenge	Completed?	Number of Minutes it took you to complete each section
Friday	#1-8	#9, 10	<input type="checkbox"/>	
Monday	#11-18	#19, 20	<input type="checkbox"/>	
Tuesday	#21-24	#25, 26, 27	<input type="checkbox"/>	
Wednesday	#28, 29	#30, 31	<input type="checkbox"/>	
Thursday	#32, 33	#34, 35	<input type="checkbox"/>	

I can add and subtract using positive and negative integers.

Simplify (Solve) the following expressions. (NO CALCULATOR)

1) $4 + -7 =$

2) $4 - 7 =$

3) $-6 + 9 =$

4) $-6 - 9 =$

5) $9 - 6 =$

6) $7 - (-2) =$

7) $2 + 1 =$

8) $4 - (-7) =$

CHALLENGE:

9) $-9.8 - 7.7 =$

10) $-11.2 - (-7.5) =$

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I can multiply and divide using positive and negative integers.

Simplify (Solve) the following expressions. (NO CALCULATOR)

11) $15 \div 3 =$

12) $8 \div (-4) =$

13) $9 \times (-8) =$

14) $(-6) \times (-2) =$

15) $(-7) \times 7 =$

16) $(-9) \times (-2) =$

17) $(-18) \div (-2) =$

18) $(-24) \div 6 =$

CHALLENGE:

19) $9 \cdot (-10) =$

20) $\frac{22}{2} =$

I can solve for an unknown variable in a one-step equation.

For each equation, find a value for the unknown variable to make the equation true. **SHOW ALL WORK!**

21) $x + 1 = 12$

22) $14 - m = 6$

23) $3p = 9$

24) $12 \div y = 4$

CHALLENGE:

25) $\frac{42}{x} = 7$

26) $\frac{x}{4} = 5$

27) Is the following equations true? $y + y + y = 3y$

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I can add and subtract fractions.

Add or subtract the following fractions to find the value of each expression in simplified form. **SHOW ALL WORK!**

*****REMEMBER: You need a common denominator to add and subtract fractions!*****

28) $\frac{3}{10} + \frac{1}{5} =$

29) $2\frac{3}{10} - 1\frac{1}{2} =$

CHALLENGE:

30) $-\frac{3}{10} + \frac{1}{5} =$

31) $1\frac{3}{4} - 2\frac{1}{5} =$

I can multiply and divide fractions.

Multiply or divide the following fractions to find the value of each expression in simplified form. **SHOW ALL WORK!**

32) $\frac{8}{9} \div \frac{1}{3} =$

33) $4\frac{2}{7} \times 3\frac{1}{5} =$

CHALLENGE:

34) $-\frac{3}{10} \times \frac{1}{5} =$

35) $1\frac{3}{4} \div 2\frac{1}{5} =$