HOMEWORK

Multiplying Rational Numbers

1. $-\frac{3}{4} \cdot \left(-\frac{10}{9}\right)$ multiply across

$\frac{5}{6}$

2. $-15 \cdot \left(-\frac{3}{5}\right) =$

$\frac{-15}{1} \cdot \frac{-3}{5} = 9$

3. $2\frac{1}{3} \cdot \left(-2\frac{1}{7}\right) =$

$\frac{7}{3} \cdot \frac{-15}{7} = -5$

4. $1\frac{2}{3}\left(-2\frac{9}{10}\right)$

$-2\frac{5}{12}$

$\frac{5}{3} \cdot \frac{-29}{10} = \frac{-29}{6}$

$\frac{-29}{6} = -4\frac{5}{6}$

5. $-3\frac{1}{5} \times 2\frac{3}{2}$

$\frac{-16}{5} \cdot \frac{7}{2} = \frac{-56}{5}$

$\frac{-56}{5} = -11\frac{1}{5}$

6. $-\frac{3}{14} \cdot \frac{21}{12}$

multiply across

$\frac{-3}{8}$

Name: KEY

Math 7H – Period: _____

Date: Sept. 22

Glue on page 19

Edited by Mr. Hempel

7. Kevin is trying to save $60 by the end of this month. So far, he has saved $\frac{5}{6}$ of this amount. How much has he saved?

$\frac{\$60}{1} \cdot \frac{5}{6} = \$50$

8. Abbey uses $3\frac{1}{5}$ cups of milk to make pancakes. She then uses $1\frac{4}{7}$ cups of milk to bake cookies. What is the **total** amount of milk she used?

LCD = 35

$3\frac{1}{5} + 1\frac{4}{7}$

$\frac{16}{5} + \frac{11}{7}$ (7) (5)

$\frac{112}{35} + \frac{55}{35} = \frac{167}{35} = 4\frac{27}{35}$ cups

9. $-16 + (-8 + 2)$

$-16 + (-6)$

$-16 - 6$

-22

10. $-16.8 + 12.4$

N P

$16.8 - 12.4 = 4.4$

DIFF → SUB

-4.4

11. $-(6^2) \div 4 - 9$

$-36 \div 4 - 9$

$-9 - 9$

-18

12. $14.12 - (-5.6)$

$14.12 + 5.6$

$14.12 + 5.60 = 19.72$

19.72

Same Signs **A**dd

Different Signs **S**ubtract

Don't be **SADS** it's only integers!