

Review (Chapter 3)

Name _____ HR _____

Write as a decimal in *simplest form*.

1) $-\frac{2}{3}$ Answer _____	2) $-4\frac{1}{5}$ Answer _____
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Write as a fraction in *simplest form*.

3) 0.75 Answer _____	4) 1.48 Answer _____
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Replace each _____ with <, >, or =.

5) $\frac{8}{17}$ _____ 0.47	6) -0.6 _____ $-\frac{1}{6}$
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Identify which set each number belongs. Circle the correct set for each number:

7) -4 Rational (Q) Irrational (I)	8) $\sqrt{12}$ Rational (Q) Irrational (I)	9) $\frac{2}{3}$ Rational (Q) Irrational (I)
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Multiply the fractions. Write in *simplest form*.

10) $\frac{1}{8} \cdot -\frac{1}{2}$ Answer _____	11) $\frac{1}{25} \cdot -5$ Answer _____	12) $-2\frac{1}{14} \cdot 2\frac{7}{12}$ Answer _____
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Find each quotient. Write in *simplest form*.

13) $\frac{5}{8} \div \frac{1}{16}$ Answer _____	14) $3\frac{1}{2} \div (-\frac{2}{5})$ Answer _____
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Find each sum or difference. Write in *simplest form* or as a mixed number.

15) $-\frac{5}{6} - \frac{1}{6}$ Answer _____	16) $\frac{3}{8} - 1\frac{5}{16}$ Answer _____
17) $-\frac{9}{14} + \frac{5}{7}$ Answer _____	18) $\frac{4}{9} + \left(-\frac{3}{4}\right)$ Answer _____

Evaluate each expression if $a = \frac{2}{5}$, $b = -\frac{7}{8}$, $c = 2\frac{4}{5}$. Write the product in *simplest form*.

19) $-a + b$ Answer _____	20) $c \div a$ Answer _____
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Word Problems: Write answers in simplest form. [USE SCRATCH PAPER IF YOU NEED!]

21) A winter sports contest consists of three events: skating, sledding, and snowboarding. If Ms. Schroeder skates for $25\frac{1}{2}$ minutes, sleds for $15\frac{1}{6}$ minutes, and snowboards for $54\frac{2}{3}$ minutes, what was her total time?	22) Ms. Pint needs $2\frac{3}{4}$ cups of chocolate chips to make one batch of cookies. How many cups of chocolate chips will she use if she makes $2\frac{1}{2}$ batches of cookies?	23) Which set of numbers does NOT describe the given number? $\frac{36}{9}$ a) Rational b) Irrational c) Whole d) Integer
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