Name: _____ Period 2 7 (Circle one)

Chapter 6 Review

Vocabulary and Concept Check

✓ Circle the term or number that best completes each sentence.

1. The (radius, diameter) is the distance across a circle through its center.
2. To add like fractions, add the (numerators, denominators).
3. (Perimeter, Area) is the measure of the surface enclosed by a figure.
4. Fractions with different denominators are called (like, unlike) fractions.
5. When dividing by a fraction, multiply by its (value, reciprocal).
6. One cup is equivalent to (8, 12) fluid ounces.

6.2 Adding & Subtracting Fractions

✓ Add or subtract. Write in simplest form.

$\frac{3}{4}+\frac{9}{14}$ $\frac{1}{9}+\frac{5}{9}$ $\frac{5}{6}-\frac{3}{4}$ $\frac{5}{8}-\frac{5}{12}$

6.3 Adding & Subtracting Mixed Numbers

✓ Add or subtract. Write in simplest form.

$3\frac{2}{15}+6\frac{9}{15}$ $4\frac{3}{10}-2\frac{4}{5}$ $7\frac{11}{12}-4\frac{3}{12}$ $5\frac{3}{4}+1\frac{1}{6}$

6.4 Multiplying Fractions & Mixed Numbers

✓ Multiply. Write in simplest form.

$\frac{3}{5}\times\frac{2}{7}$ $\frac{5}{12}\times\frac{4}{9}$ $4\frac{1}{2}\times2\frac{1}{12}$ $-4\times\frac{13}{20}$

6.5 Algebra: Solving Equations

✓ Find the multiplicative inverse (reciprocal) of each number.

$\frac{7}{12}$ $3\frac{1}{3}$ 5

(OVER)

✓ Solve each equation. Check your solution.

$8 = \frac{w}{2}$ $\frac{4}{5}b = 12$ $-7.6 = \frac{n}{3}$

6.6 Dividing Fractions & Mixed Numbers

✓ Divide. Write in simplest form.

$\frac{3}{5} \div \frac{6}{7}$ $6 \div \frac{1}{3}$ $-\frac{2}{5} \div 3$ $-\frac{2}{7} \div \frac{8}{21}$

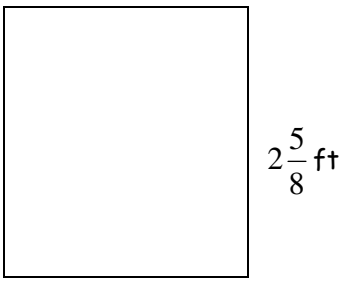
6.7 Measurement: Changing Customary Units

✓ Complete.

4 qt = _____ pt 48 oz = _____lb 9 c = _____ pt 8,000 lb = _____ T

6.8 Geometry: Area & Perimeter

✓ Find the perimeter and area of each rectangle.



6.9 Geometry: Circles & Circumference

✓ Find the circumference of each circle. Use 3.14 or $\frac{22}{7}$ for π. Round to the nearest tenth if necessary.

r = 4.2 cm d = 8 yd r = $\frac{7}{11}$ ft

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