Name : _____

Solve using unit rates.

1) Ashley's hair grew $1\frac{1}{2}$ inches in $2\frac{3}{4}$ of a month. At what rate did Ashley's hair grow per month?

$$\frac{1\frac{1}{2} \text{ in}}{2\frac{3}{4} \text{ mth}}$$

    a) $\frac{6}{11}$

    b) $\frac{7}{13}$

    c) $4\frac{1}{8}$

    d) $4\frac{1}{4}$

2) A box of pasta is $10\frac{3}{4}$ ounces. It has serving sizes of $1\frac{1}{8}$ ounce. How many servings is there in one box of pasta?

    a) $12\frac{3}{32}$

    b) $11\frac{7}{8}$

    c) $9\frac{5}{9}$

    d) $9\frac{5}{8}$

$$\frac{10\frac{3}{4} \text{ ozs}}{1\frac{1}{8} \text{ ozs.}}$$

3) A bag of chips holds $31\frac{1}{4}$ ounces. One serving is $\frac{3}{4}$ of an ounce. About how many servings are in the bag?

$31\frac{1}{4}$

$\frac{3}{4}$

      a) $42\frac{1}{4}$

      b) $41\frac{2}{3}$

      c) $31\frac{1}{3}$

      d) $23\frac{7}{16}$

4) A cake recipe needs $2\frac{1}{3}$ cups of sugar to make $\frac{3}{4}$ of a cake. How much sugar is needed to make 1 cake?

      a) $3\frac{1}{9}$

      b) $\frac{9}{28}$

      c) $1\frac{3}{4}$

      d) $1\frac{7}{12}$

5) Savannah made $2\frac{1}{2}$ gallons of lemonade. She is putting $\frac{1}{16}$ gallon of lemonade into each cup. How many cups can Savannah fill?

      a) 10

      b) 20

      c) 30

      d) 40

6) Jacob will swim $\frac{1}{4}$ of a lap in $\frac{1}{8}$ of an hour. How many laps does he swim per hour?

    a) 12

    b) 2

    c) $\frac{1}{32}$

    d) $\frac{1}{12}$

7) Taylor rode $\frac{4}{5}$ of her ride in $\frac{1}{10}$ of an hour. How many miles does she ride per hour?

    a) $\frac{2}{25}$

    b) $\frac{1}{8}$

    c) 8

    d) 12.5

8) Jason used $\frac{2}{3}$ of a cup of flour to make $1\frac{1}{2}$ dozen cookies. How much flour is needed to make 1 dozen cookies?

    a) $\frac{4}{9}$ of a cup

    b) $\frac{3}{2}$ of a cup

    c) $1\frac{2}{3}$ cups of flour

    d) 1 cup