

Name : \_\_\_\_\_

Solve using unit rates.

**Multiple Choice**

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?

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

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?

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