

Class Name : **8C - C**Instructor Name : **Ms. Ryan**

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

Instructor Note : \_\_\_\_\_

1. Solve the following proportion for  $y$ .

$$\frac{y}{4} = \frac{7}{8}$$

Round your answer to the nearest tenth.

2. Solve for  $u$ .

$$\frac{4}{3} = \frac{16}{u+6}$$

Simplify your answer as much as possible.

3. Solve the following proportion for  $v$ .

$$\frac{5}{v} = \frac{8}{17}$$

Round your answer to the nearest tenth.

4. Solve for  $x$ .

$$\frac{x-3}{3} = \frac{2}{7}$$

Simplify your answer as much as possible.

5. Linda made \$273 for 13 hours of work.

At the same rate, how many hours would she have to work to make \$378 ?

6. Chau drove 387 miles using 18 gallons of gas. At this rate, how many miles would he drive using 11 gallons of gas?

7. Solve for  $v$ .

$$\frac{v}{12} = \frac{2}{8}$$

Simplify your answer as much as possible.

8. Solve for  $u$ .

$$\frac{2}{4} = \frac{u}{10}$$

Simplify your answer as much as possible.

9. Solve for  $u$ .

$$\frac{4}{6} = \frac{u}{9}$$

Simplify your answer as much as possible.

10. Solve for  $y$ .

$$\frac{y}{12} = \frac{6}{9}$$

Simplify your answer as much as possible.

11. Solve for  $y$ .

$$\frac{6}{12} = \frac{y}{10}$$

Simplify your answer as much as possible.

**12.** Jina drove 819 miles in 13 hours.

At the same rate, how many miles would she drive in 11 hours?

**13.** Suppose that 14 inches of wire costs 56 cents.

At the same rate, how many inches of wire can be bought for 44 cents?

**14.** Solve for  $u$ .

$$|4u + 6| = 14$$

**15.** Solve for  $x$ .

$$|x| + 5 = 5$$