

Name : _____

Score : _____

Teacher : _____

Date : _____

Solving Proportions

Solve each problem. Leave answer as fraction in simplest form.

1) $\frac{24}{2} = \frac{1}{v}$

6) $\frac{r}{1} = \frac{r-2}{4}$

2) $\frac{8}{d+15} = \frac{3}{d}$

7) $\frac{7f+21}{11} = \frac{5}{9}$

3) $\frac{b}{9} = \frac{7}{8}$

8) $\frac{1}{2} = \frac{19}{k+3}$

4) $\frac{26}{h-5} = \frac{1}{7}$

9) $\frac{4}{7} = \frac{12}{3x-23}$

5) $\frac{2}{z} = \frac{9}{23}$

10) $\frac{1}{9} = \frac{n+26}{n-20}$



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Solve the Equations

Round your answers to the nearest hundredth if needed.

$$1) \frac{24}{2} = \frac{1}{v}$$

$$v = \frac{1}{12}$$

$$6) \frac{r}{1} = \frac{r-2}{4}$$

$$r = \frac{2}{-3}$$

$$2) \frac{8}{d+15} = \frac{3}{d}$$

$$d = 9$$

$$7) \frac{7f+21}{11} = \frac{5}{9}$$

$$f = \frac{134}{-63}$$

$$3) \frac{b}{9} = \frac{7}{8}$$

$$b = \frac{9}{56}$$

$$8) \frac{1}{2} = \frac{19}{k+3}$$

$$k = 35$$

$$4) \frac{26}{h-5} = \frac{1}{7}$$

$$h = 187$$

$$9) \frac{4}{7} = \frac{12}{3x-23}$$

$$x = \frac{44}{3}$$

$$5) \frac{2}{z} = \frac{9}{23}$$

$$z = \frac{46}{9}$$

$$10) \frac{1}{9} = \frac{n+26}{n-20}$$

$$n = \frac{127}{4}$$

