



Solving Proportions

Name _____

Score _____

PP:13

Solve each proportion.

1) $\frac{x+5}{30} = \frac{5}{6}$

$x =$

3) $\frac{8}{24} = \frac{n-2}{27}$

$n =$

5) $\frac{4}{4h} = \frac{2h}{18}$

$h =$

7) $\frac{18}{(b+1)^2} = \frac{17}{34}$

$b =$

2) $\frac{16}{p+1} = \frac{72}{4p+9}$

$p =$

4) $\frac{77}{11a} = \frac{21}{15}$

$a =$

6) $\frac{3}{5} = \frac{39}{2k-55}$

$k =$

8) $\frac{3v-11}{28} = \frac{v+10}{64}$

$v =$



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Answer key

PP:13

Solve each proportion.

$$1) \frac{x+5}{30} = \frac{5}{6}$$

$$x = \textcircled{20}$$

$$3) \frac{8}{24} = \frac{n-2}{27}$$

$$n = \textcircled{11}$$

$$5) \frac{4}{4h} = \frac{2h}{18}$$

$$h = \textcircled{3}$$

$$7) \frac{18}{(b+1)^2} = \frac{17}{34}$$

$$b = \textcircled{35}$$

$$2) \frac{16}{p+1} = \frac{72}{4p+9}$$

$$p = \textcircled{9}$$

$$4) \frac{77}{11a} = \frac{21}{15}$$

$$a = \textcircled{5}$$

$$6) \frac{3}{5} = \frac{39}{2k-55}$$

$$k = \textcircled{60}$$

$$8) \frac{3v-11}{28} = \frac{v+10}{64}$$

$$v = \textcircled{6}$$