



Solving Proportions

Name _____

Score _____

PP:15

Solve each proportion.

1) $\frac{k+4}{k+7} = \frac{24}{30}$

k =

2) $\frac{8}{7z-1} = \frac{4}{3}$

z =

3) $\frac{60}{70} = \frac{54}{3x}$

x =

4) $\frac{1}{3u} = \frac{7}{u+80}$

u =

5) $\frac{2}{4} = \frac{2n-29}{2}$

n =

6) $\frac{20}{(5h-4)^2} = \frac{55}{99}$

h =

7) $\frac{17}{34} = \frac{q+3}{30}$

q =

8) $\frac{7}{8} = \frac{b+4}{b+9}$

b =



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Answer key

PP:15

Solve each proportion.

$$1) \frac{k+4}{k+7} = \frac{24}{30}$$

$$k = 8$$

$$3) \frac{60}{70} = \frac{54}{3x}$$

$$x = 21$$

$$5) \frac{2}{4} = \frac{2n-29}{2}$$

$$n = 15$$

$$7) \frac{17}{34} = \frac{q+3}{30}$$

$$q = 12$$

$$2) \frac{8}{7z-1} = \frac{4}{3}$$

$$z = 1$$

$$4) \frac{1}{3u} = \frac{7}{u+80}$$

$$u = 4$$

$$6) \frac{20}{(5h-4)^2} = \frac{55}{99}$$

$$h = 2$$

$$8) \frac{7}{8} = \frac{b+4}{b+9}$$

$$b = 31$$