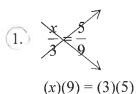
Practice Makes Perfect





Use cross-products to solve each proportion for the indicated variable. See if you can recognize the distributive property as you work through some of these problems. Show all of your work.



$$\chi = \frac{r}{3}$$

2.
$$\frac{y}{7} = \frac{3}{14}$$

$$2. \quad \frac{y}{7} = \frac{3}{14} \qquad \boxed{y = \frac{3}{2}}$$

$$3. \quad \frac{2}{w+2} = \frac{2}{2w+1}$$

4.
$$\frac{2n+1}{2} = \frac{n+2}{4}$$

$$\begin{bmatrix} v = 0 \end{bmatrix}$$

$$2(2w+1) = 2(w+2)$$

(5.)
$$\frac{b+2}{3} = \frac{3b+1}{3}$$

$$b = \frac{1}{2}$$

6.
$$\frac{3}{2z} = \frac{5}{z+3}$$

7.
$$\frac{d+4}{3} = \frac{d+13}{6}$$
 $d = 5$

$$d = 5$$

8.
$$\frac{3}{m+1} = \frac{7}{2m+3}$$

$$9. \quad \frac{n+12}{4} = \frac{n}{16}$$

10.
$$\frac{a+2}{5} = \frac{a-4}{7}$$