5/14/12 12.4 Solving Multiplication and Division Equations

* to solve a MULTIPLICATION Equation: divide each side by the # the variable is multiplied by.
* to solve a DIVISION Equation: multiply each side by the DIVISOR.

P. 598:

variable

$$\frac{5x}{5} = \frac{20}{5}$$

$x = 4$ ✓

$5\overline{)20}$

P. 598 #s 1-4:

① $4n = 20$ $n = 5$ ✓

② $3m = 15$ $m = 5$ ✓

③ $24 = 2p$ $p = 12$ ✓

④ $65 = 5q$ $q = 13$ ✓

P. 599

$$\frac{x}{1} \cdot \frac{x}{7} = 3 \cdot 7$$

$$x = 21$$

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

$$\frac{21}{7} = 3$$

p. 599 #s 5-8

(5) $\frac{a}{2} = 7$ $a = 14$ ✓

(6) $\frac{b}{5} = 6$ $b = 30$ ✓

(7) $45 = \frac{c}{3}$ $c = 135$ ✓

(8) $12 = \frac{d}{8}$ $d = 96$ ✓

In Class:

P. 600-601

#s 9-41

After: WS 12.3

HW: WS 12.4