Name _____ Date _____

Another Look

For use with Lesson 3-2.

Solving Equations: Multiplication and Division

To solve multiplication and division equations, "undo" the operation on one side of the equals sign.

Multiply or divide by the same number on both sides of the equals sign.

Examples:

$6b = 192$

Divide by 6.

$\frac{6b}{6} = \frac{192}{6}$

$b = 32$

$f \div 7 = 4.8$

$f \div 7 \times 7 = 4.8 \times 7$

$f = 33.6$

Multiply by 7.

$\frac{m}{21} = 259$

$\frac{m}{21} \times 21 = 259 \times 21$

$m = 5{,}439$

Multiply by 21.

Solve and check.

1. $4w = 148$ (Divide by 4.)

$w =$ _____

2. $d \div 3 = 27$ (Multiply by 3.)

$d =$ _____

3. $6g = 282$ (Divide by 6.)

$g =$ _____

4. $\frac{t}{8} = 26$

$t =$ _____

5. $\frac{s}{4} = 73$

$s =$ _____

6. $\frac{u}{3.7} = 4$

$u =$ _____

7. $y \div 3 = 41$

$y =$ _____

8. $9c = 342$

$c =$ _____

9. $t \times 8 = 416$

$t =$ _____

10. $2.5f = 160$

$f =$ _____

11. $h \div 7 = 37$

$h =$ _____

12. $r \div 6 = 77$

$r =$ _____

13. $g \times 9 = 657$

$g =$ _____

14. $4.6m = 266.8$

$m =$ _____

15. $53s = 0$

$s =$ _____

16. $3 \cdot r = 261$

$r =$ _____

17. $\frac{d}{5} = 93$

$d =$ _____

18. $\frac{f}{6.1} = 5.2$

$f =$ _____