

Name

2-8B

Lesson Master

Questions on SPUR Objectives
See pages 125–127 for objectives.

SKILLS

Objective C

In 1 and 2, use the equation $a = \frac{y}{b}$.

1. Make a fact triangle for the equation.
2. Write the three other related facts.

In 3 and 4, sketch a fact triangle.

3. $6 \div 2 = y$
4. $\frac{3}{8}u = 8$

In 5–10, give related facts for the sentences.

5. $\frac{3}{11} \cdot \frac{22}{3} = 2$
6. $y \cdot 87 = p$
7. $-0.98 \div 2 = -0.49$

8. $a \cdot b = c$
9. $0 = k \div 2$
10. $\frac{7}{8} = 9 \cdot j$

In 11 and 12, solve by a) sketching a fact triangle and b) using related facts.

11. $-0.5k = 9$
12. $10 \div p = 3.2$

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In 13–18, use related facts to find the value of the variable.

13. $82 = \ell \cdot 10$

14. $-4.05 = 9.92 \cdot g$

15. $\frac{1}{4} = 8 \cdot d$

16. $\frac{1}{9} \cdot n = \frac{2}{3}$

17. $y \cdot \frac{4}{5} = \frac{9}{10}$

18. $-\frac{1}{3}k = 9$

In 19–22, find all solutions to the equation.

19. $4m - 4n = 0$

20. $0 \cdot s = 0$

21. $-10w = 0$

22. $0 \cdot t = -3$

PROPERTIES

Objective D

In 23–28, write the multiplicative inverse or reciprocal.

23. -9

24. $2y$

25. -1.092

26. e

27. 0

28. $\frac{1}{6}$

In 29 and 30, perform division by multiplying by the reciprocal.

29. $\frac{\frac{9}{13}}{\frac{3}{26}}$

30. $\frac{4}{\frac{8}{3}}$
