

Name \_\_\_\_\_

2-7B

Lesson Master

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

SKILLS

Objective C

In 1–5, make a fact triangle for the equation and write the other three related facts.

1.  $42 + -6 = 36$
2.  $-\frac{1}{7} - 2\frac{6}{7} = -3$
3.  $4z + 6z = 10z$

_____	_____	_____
_____	_____	_____
_____	_____	_____

4.  $0.2 - 0.7 = -0.5$
5.  $-\frac{1}{2} + \frac{3}{4} = \frac{1}{4}$

_____	_____
_____	_____
_____	_____

In 6–8, give the other three related facts for the sentences.

6.  $4x - 3 = 2x$
7.  $9 = 14 + y$
8.  $-1 - -3 = 2$

_____	_____	_____
_____	_____	_____
_____	_____	_____

Name

In 9 and 10, solve the given equation by a) using a fact triangle and b) using the Addition Property of Equality.

9.  $r + -10 = -25$

10.  $-2.1 - 5.2 = m$

In 11 and 12, make a fact triangle with the following properties.

11. The sum is  $\frac{7}{10}$ .

12. One difference is  $2f - 6$ .

In 13-22, use related facts to find the value of the variable.

13.  $5 = 20 + k$

14.  $\frac{1}{12} = 1 - h$

15.  $-100 = p - 4$

16.  $\frac{3}{4} = w + \frac{3}{2}$

17.  $0 = u - 7$

18.  $-10 = c - 10$

19.  $10 = d - 6$

20.  $-21 = \frac{1}{4} - q$

21.  $5 - g = -2$

22.  $-90 = k - 10$

PROPERTIES

Objective E

In 23-31, write the additive inverse.

23.  $-5$

24.  $-6 + 6$

25.  $e$

26.  $u^4$

27.  $x - 9$

28.  $-(-(-9))$

29.  $-2c + 4$

30.  $\frac{4}{x}$

31.  $\frac{2 - p}{4}$