

**Practice set**

- a. \$0.45per glass, 45¢ per glass
- b. 0
- c. 4
- d. \$4.15
- e. \$4.33
- f. 6800
- g. 71
- h. 10

**Written Practice<sup>1</sup>***Strengthening Concepts*

- 1. 41
- 2. 8
- 3. 5
- 4. Addition, Subtraction, Multiplication, Division
- 5. (a) 5 (b) 12 (c) 45 (d) 18
- 6. \$110.75
- 7. 408
- 8. 21
- 9. 476

10. 4104
11. \$7.50
12. 90
13. 9120
14. \$111
15. \$48.24
16. Natural numbers
17. 85¢, \$0.85
18. All counting numbers are whole numbers.
19. Quotient
20. Minuend - Subtrahend = Difference

**Practice set**

- a. Division
- b.  $(p + q) + r = p + (q + r)$ , Numerical answers may vary
- c. Commutative property of multiplication
- d. 13
- e. 7
- f. 240
- g. 1
- h. 64, 128, 256

**Written Practice<sup>1</sup>***Strengthening Concepts*

1. 5
2. 5¢, \$0.05
3. Subtraction
4. 8
5. 2000, 20000
6. \$2.13
7. \$11.85
8. \$5.00
9. \$5.55

10. \$12.67
11. 56 R 2
12. 5
13. \$8.33
14. 1219
15. 6
16. \$44.80
17. a) Property of zero for multiplication  
b) Identity property of multiplication
18. a) 4    b) 15    c) 100    d) 25
19. Because when zero is added to another number, the sum is identical to that number.
20. Dividend  $\div$  Divisor = Quotient

**Practice set**

- a.  $v = 13$
- b.  $C = 89$
- c.  $x = 2$
- d.  $s = 200$
- e.  $f = 81$
- f.  $v = 5$
- g.  $a = 9$

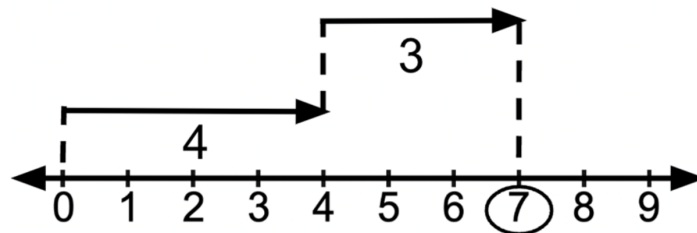
**Written Practice<sup>1</sup>****Strengthening Concepts**

- 1. 6
- 2. Associative property of addition
- 3.  $5 \cdot 6 = 6 \cdot 5$
- 4. 5, 10, 15, 20
- 5.  $c = 17$
- 6.  $b = 54$
- 7.  $n = 4$
- 8.  $u = 13$
- 9.  $F = 108$
- 10.  $D = 149$

11. a) 5   b) 28   c) 245   d) 42
12. 13
13. 2
14. \$36.68
15. \$15.36
16. 351 R 2
17. \$5.05
18. \$13.50
19. 701
20. Because when any number is multiplied by 1, the product is identical to the given number.

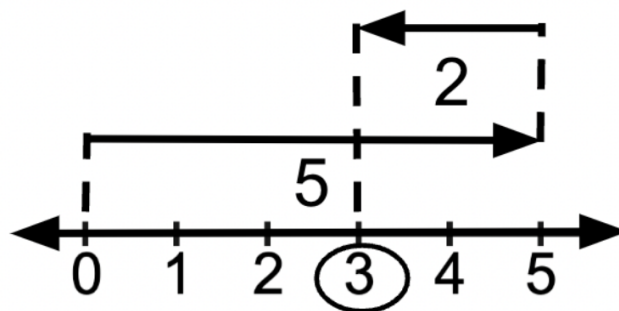
## Practice set

a.  $4 + 3 = 7$



A

b.  $5 - 2 = 3$



C

c.  $-5, -3, -1, 0$

d.  $3 + 5 < 3 \times 5$

e.  $<$

f.  $0$

g.  $-3, -4, -5$

**Written Practice**<sup>1</sup>*Strengthening Concepts*

1.  $41$

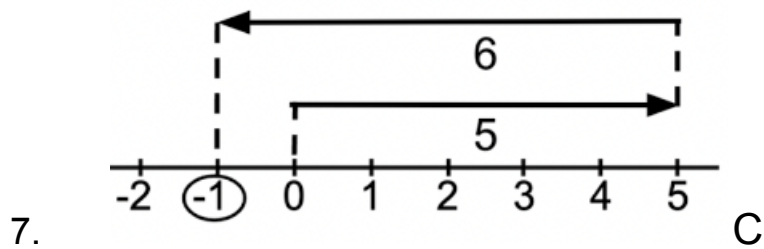
2. Negative numbers

3.  $5 + 6 < 5 \times 6$

4.  $-5, -3, 0, 3$

5. a) =                      b) &gt;                      c) &gt;                      d) =

6. Multiply the divisor by the quotient to find the dividend.



8.  $x = 1$

9.  $k = 12$

10.  $Z = 405$

11.  $n = 810$

12.  $p = 5$

13. \$53.12

14. \$30.15

15. -56

16. 65

17. \$0.98

18. 143 R 21



19. Answers may vary. One answer is  $(4 \times 5) \times 6 = 4 \times (5 \times 6)$

20.  $20 + 30 = 50$

$$30 + 20 = 50$$

$$50 - 20 = 30$$

$$50 - 30 = 20$$

## Practice set

- a. 5
- b. Billions
- c.  $3 \times 1000 + 5 \times 100$
- d. Forty-five million, six hundred seventy-eight thousand, nine hundred twenty-four
- e. Thirty-five million, six hundred eight thousand, nine hundred eighty-seven
- f. 35,507,070
- g. \$18,000,000,000

**Written Practice**<sup>1</sup>*Strengthening Concepts*

- 1. 7758
- 2.  $707000 > 7700$
- 3. Thirty million, five hundred sixty-seven thousand, three
- 4. 8
- 5. 930,007,080
- 6.  $-12 > -16$ , Negative twelve is greater than negative sixteen.
- 7. -5, -3, -1, 0, 4, 6
- 8. 7 units

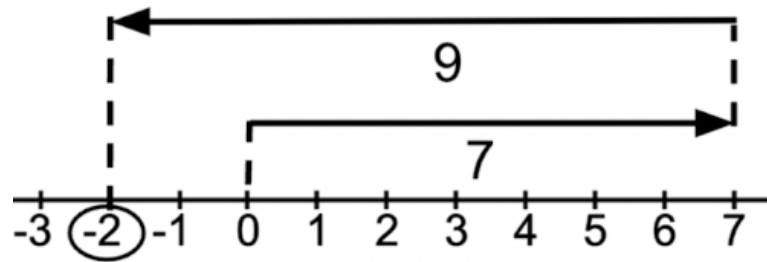
9.  $p = 5$
10.  $z = 2232$
11.  $x = 369$
12. \$47.13
13.  $f = 11$
14.  $(4 \times 100,000) + (6 \times 10,000)$
15. \$19.60
16. 321 R 1
17. \$39.89
18.
  - a) Identity property of multiplication
  - b) Commutative property of multiplication
19.
  - a) Whole numbers
  - b) Integers
  - c) Natural numbers or Counting numbers
20.  $\{-5, -3, -1, \dots\}$

**Practice set**

- a. 1, 3, 5, 15
- b. 1, 17
- c. 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
- d. 1, 2, 5, 7, 10
- e. 1, 2, 4, 5, 10
- f. 1, 2, 3, 4, 5, 6, 8, 10
- g. 1, 2
- h. 12

**Written Practice<sup>1</sup>****Strengthening Concepts**

- 1. 15
- 2. a) 1, 2, 5, 10  
b) 10
- 3. {...,-6, -4, -2}
- 4. 904,003,752
- 5. 1, 2, 3, 4, 5, 6, 8, 10
- 6.  $-3 > -9$ , Negative three is greater than negative nine



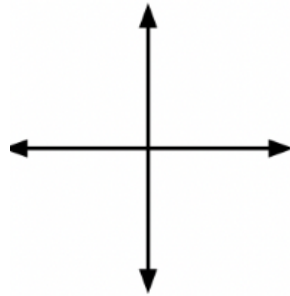
7. B
8.  $(4 \times 1000) + (3 \times 100)$
9.  $c = \$16.33$
10.  $d = 841$
11.  $p = 44$
12.  $z = 32$
13.  $n = 7$
14. 351
15. 31,200
16. \$76.34
17. 1992
18. 210
19. \$5.00
20. Commutative property of multiplication

Practice set

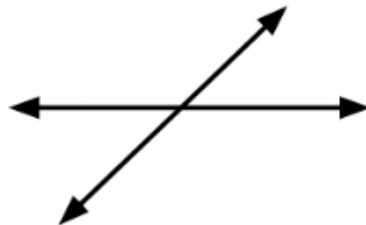
a. Point P

b.  $AC = 4$  cm

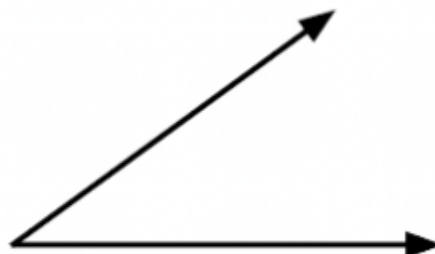
c. D



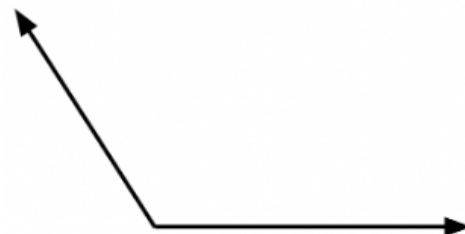
d. B



e. A



f. B



g. perpendicular

**Written Practice<sup>1</sup>***Strengthening Concepts*

1. 10
2. Identity property of multiplication
3. 1, 2, 3, 4, 6, 9, 12, 18, 36
4.  $3 - 8 = -5$
5. 70,000,000
6. 1, 2, 4, 7, 8
7. -11, -9, -3, 0, 6, 7
8. This is a sequence of perfect squares.  
100, 121, 144
9. a) 1, 2  
b) 2
10. 9 units
11.  $a = 7$
12.  $w = \$54.57$
13.  $x = 8$
14.  $D = 49000$

15. The quotient does not have a remainder.
16. 105
17. 767
18. a)  $\triangle EGF$  or  $\triangle FGE$   
b)  $\triangle FGH$  or  $\triangle HGF$
19. Right angle
20.  $\overline{SD}$ ,  $\overline{DM}$ ,  $\overline{SM}$