

1. $w = 5$ 2. $|w| = 15$ 3. $10w$ 4. $\frac{1}{2}w$ 5. $10 + 3$ 6. $4(w - 2)$
 7. $j = 10$ 8. j = the amount of money Jan has 9. $25q$ or $5.25q$
 q = the number of quarters 10. $w = 30$ 11. w = the amount of
 weight Kirk's brother can lift 12. $a = 5$ 13. a = the speed Danac
 runs 14. a number divided by 4 15. 4 more than a number
 16. the product of a number and 3 17. 5 less than a number
 18. 81.6 19. 101 20. 2 21. 28 22. 291.2 23. 17.44 24. 70.4
 25. 485.2 26. 14.6 27. 34.4

Guided Problem Solving

1. The cost for entering the amusement park and the cost per ride. 2. Write an expression for the total cost and determine how many rides you can go on for \$10. 3. \$5 4. \$2 5. $5 + 2r$ 6. 5 rides 7. Sample answer: Yes, the expression checks $\$15 \leq \10 8. $35 = 25m$, 60 miles

Practice 1-2
 1. -160 ft 2. 3 yd 3. -\$20 4. 5' 5. No, the highest temperature in Idaho was 118°F. 6. Yes, Minnesota has a recorded low temperature of -50°F. 7. Idaho 8. < 9. = 10. < 11. > 12. > 13. < 14. -25, -15, -5, 0, 5, 15, 25 15. -18, -10, -8, -6, 3, 9, 27

6. 5,000 ft. 7. -8 miles 8. 40,200 ft. $\frac{1}{2}$ (200 ft.) = 100 miles
yes, the impact is really a tsunami. (a) -50 ft. (b) -10 ft.

PRACTICE 19

1. John 2. Luke 3. Matt 4. Gen 5. Rom 6. Eph 7. 1 & 2
9. 10 11. -12 12. -13 13. 14. -15
16. 17. 18. -19 19. 20. 21.
22. 23. 24. 25. Tuesday
Wednesday 26. 27.

1. each item 2. the total cost of all the items 3. \$2.97
4. \$11.88 5. \$3.97 6. \$1.99 7. \$22.80
8. $\$2.97 + \$2.97 + \$2.97 + \$2.97 + \$1.99 + \$1.99 = \$15.80$
9. $\$1.99 + \$1.99 + \$1.99 + \$1.99 + \$1.99 = \9.95

Practice 1-6

1. -12 2. -22 3. 15.5 4. 5 5. 18 6. -31 7. 28
9. 45 10. 17 11. 13.5 12. 13 13. $m - 7 = 25$ 14. m
14. $1 - 4 = 28$ 15. 32 books 15. $m - 13 = 12$ 16. m
16. $-22 = m = -71$ 17. $m = -49$ she would need to
many inches. 17. 2 18. 4 19. -2 4

Guided Problem Solving

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