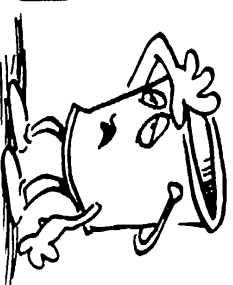


Why Was the Pail Pale?

Solve each equation or problem and find your answer at the bottom of the page. Write the letter of the exercise in the box containing its solution.



E $5x + 2x - 9 = 40$ **T** $y - 4y + 3 = -30$ **G** $6t + 2 + 3t + 17 = 10$

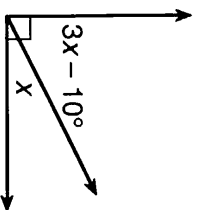
A $3a - 7a + 12 = 32$ **L** $-5u + 4 + 8u = 43$ **N** $-k - 6 - 7k + 20 = -2$

U $\frac{5}{3}x - \frac{4}{3}x - 1 = 8$ **I** $-\frac{3}{5}b + 7 + \frac{2}{5}b = 19$ **T** $16 - 2n - 5 + 8n = 65$

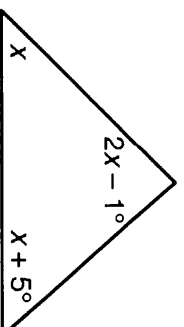
E $4p - 13p - p = -150$ **A** $35 + \frac{5}{2}y - \frac{1}{2}y = 3$ **W** $\frac{1}{8}d - 4 + \frac{3}{8}d - 4 = 5$

T $\frac{5}{7}m - 2 - \frac{6}{7}m = -13$ **L** $v - \frac{9}{10}v + 6 = 11$ **S** $70 - q - q - 2q = 80$

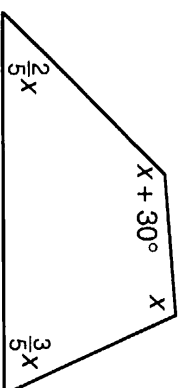
B The sum of the measures of two complementary angles is 90° . Find the measure of the angle labeled x .



K The sum of the measures of the three angles of a triangle is 180° . Find the measure of the angle labeled x .

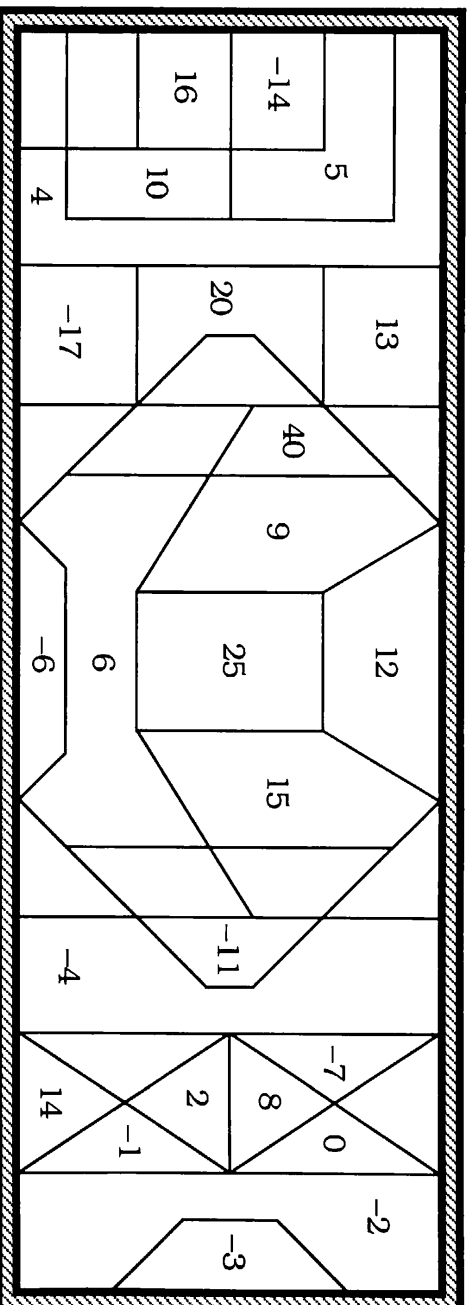


W The sum of the measures of the four angles of a quadrilateral is 360° . Find the measure of the angle labeled x .



-60	11	-8	26	-5	-2.5	2	9	36°	-16	31	110°	7	50	13	95°	25°	27	-1	44°	15	77
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WHAT IS HEAVY FORWARD BUT NOT BACKWARD?



Shade in the area containing each solution.

1. $x + 3(x + 4) = 20$ 2. $6(y - 1) + 8 = 32$ 3. $5 + 4(n + 9) = -3$

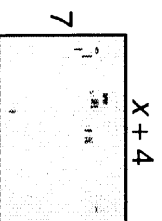
4. $5(k - 2) - 8k = -34$ 5. $2 = 11 + 3(m + 3)$ 6. $-2(p - 5) + 7p = -5$

7. $4a - 2(a + 9) = 6$ 8. $7 - 4(d - 3) = 23$ 9. $8x - 11(x - 2) = -8$

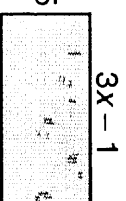
10. $5 = 6(q - 5) - 19$ 11. $3(3 - y) + 1 = 31$ 12. $5(2v + 4) = 170$

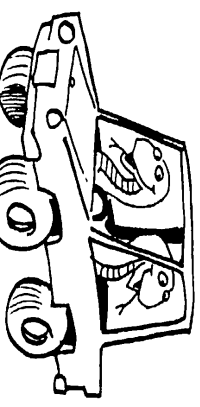
13. $5(4n - 4) = -60$ 14. $2(3t - 8) - 4t = 10$ 15. $9 - 4(2p - 1) = 45$

16. Write an equation and solve for x if the area of the rectangle is 70 square units.



17. Write an equation and solve for x if the area of the rectangle is 55 square units.





How Might a Pair of Snakes Be Used For Driving in the Rain?

Solve each equation or problem. Find your solution and note the two letters next to it. Write these letters in the two boxes above the exercise number at the bottom of the page.

1 $3x + 2(5x + 4) = 47$ 2 $x - 3(2x - 7) = 76$

answers

RE \$17

AS 12 cm

CA 8 ft

RS 18

TO 48°

LD 3

IE 20 cm

DE \$13

PE 9 ft

LO 13 cm

VI 54°

ON 14

ND \$15

WI -11

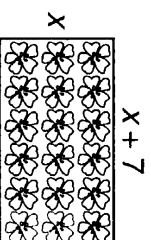
IN 18 cm

SH 16

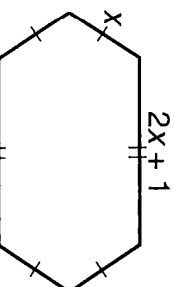
- 3 Jack said, "Five times my age in 2 years is 100." How old is Jack now?

- 4 Jill said, "Eight times my age 3 years ago equals 104." How old is Jill now?

- 5 The length of a rectangular garden is 7 ft more than the width. The perimeter is 50 ft. Find the width.



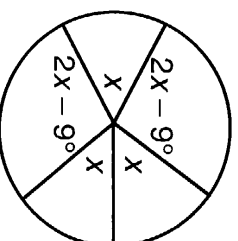
- 6 The length of a rectangle is 3 cm less than 4 times the width. The perimeter is 114 cm. Find the width.



- 7 The perimeter of this hexagon is 162 cm. Each longer side measures 1 cm more than twice a shorter side. Find the length of the side labeled x .

- 8 A tape costs \$4 less than a CD. Oshkosh bought one CD and five tapes. If the total cost was \$70, what was the price of the CD?

- 9 The sum of the measures of the central angles of a circle is 360°. Find the measure of each angle labeled x .



6	2	8	4	7	1	9	5	3
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