

*Please show work on a separate sheet of paper.

KEY

Name _____ Date _____

7.3 Puzzle Time

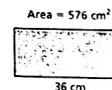
What Did The Dirt Say When It Began To Rain?

| | | | | | |
|--------|--------|----------|----------|---------|------|
| A IF | B THIS | C HEAVY | D RAIN | E KEEPS | F UP |
| G MY | H NAME | I WILL | J CHANGE | K AND | L I |
| M WILL | N BE | O CALLED | P MUD | | |

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

| | | |
|------------|--|--------------|
| 7 NAME ✓ | Solve the equation. Check your solution. | 12 UP ✓ |
| 56 WILL ✓ | A. $\frac{a}{9} = 6$ $a = 54$ | 6.5 CHANGE ✓ |
| 54 IF ✓ | B. $7 = \frac{z}{6}$ $z = 42$ | 125 RAIN ✓ |
| 9 MUD ✓ | C. $y + 4 = 10$ $y = 40$ | 110 BE ✓ |
| 10 MY ✓ | D. $25 = \frac{k}{5}$ $k = 125$ | 42 THIS ✓ |
| 13 WILL ✓ | E. $2s = 16$ $s = 8$ | 8 KEEPS ✓ |
| 2 CALLED ✓ | F. $8 \cdot t = 96$ $t = 12$ | 60 I ✓ |
| 40 HEAVY ✓ | G. $50 = 5x$ $x = 10$ | 70 AND ✓ |
| | H. $56 = 8k$ $k = 7$ | |
| | I. $4b = 52$ $b = 13$ | |
| | J. $39 = 6 \cdot c$ $c = 6.5$ | |
| | K. $14 = n + 5$ $n = 70$ | |
| | L. $10 = v + 6$ $v = 60$ | |
| | M. $x + 16 = 3.5$ $x = 56$ | |
| | N. $\frac{w}{25} = 4.4$ $w = 110$ | |
| | O. $11.5 \cdot d = 23$ $d = 2$ | |
| | P. $4.5v = 40.5$ $v = 9$ | |

- 17) A teacher tells 36 students to form 4 equal groups. Write and solve a multiplication equation to find how many students s there should be in each group. $4s = 36$
 $s = 9$ students
- 18) You have been saving \$12 each week for many weeks. One day, you decide to count your savings and find that you have \$384. Write and solve a multiplication equation to find how many weeks w you have been saving. $12w = 384$
 $w = 32$ weeks
- 19) A 14-inch pepperoni pizza is sliced into 8 equal pieces. One slice contains 352 calories. Write and solve a division equation to find how many calories c there are in the whole pizza. $\frac{c}{8} = 352$
 $c = 2816$ calories
- 20) In a cheerleading competition, each team receives scores in eight categories. One team has a mean score of 7.25 in the eight categories. Write and solve an equation to find the team's total score s . $\frac{s}{8} = 7.25$
 $s = 58$ points
- 21) Write and solve an equation to find the width w of the rectangle. Explain how you know what units to use with the answer.



$x = 16$ cm