



Math worksheet on 'Square and Square Root Equation Solving (Level 3)'. Part of a broader unit on 'Exponents - Practice'

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1 Solve for the variable in the equation

$$\sqrt{z} = 8$$

| | |
|--------------------|--------------------|
| a z = 71 | b z = 76 |
| c z = 67 | d z = 64 |
| e z = 75 | f z = 70 |

2 Solve for the variable in the equation

$$c^2 = 144$$

| | |
|--------------------|--------------------|
| a c = 12 | b c = 14 |
| c c = 15 | d c = 10 |
| e c = 11 | f c = 13 |

3 Solve for the variable in the equation

$$\sqrt{z} = 12$$

| | |
|---------------------|---------------------|
| a z = 144 | b z = 158 |
| c z = 162 | d z = 159 |
| e z = 150 | f z = 140 |

4 Solve for the variable in the equation

$$m^2 = 64$$

| | |
|--------------------|--------------------|
| a m = 9 | b m = 10 |
| c m = 11 | d m = 7 |
| e m = 6 | f m = 8 |

5 Solve for the variable in the equation

$$\sqrt{d} = 11$$

| | |
|---------------------|---------------------|
| a d = 118 | b d = 121 |
| c d = 124 | d d = 125 |
| e d = 137 | f d = 127 |

6 Solve for the variable in the equation

$$p^2 = 121$$

| | |
|--------------------|--------------------|
| a p = 9 | b p = 11 |
| c p = 13 | d p = 10 |
| e p = 12 | f p = 14 |

7 Solve for the variable in the equation

$$n^2 = 81$$

| | |
|--------------------|--------------------|
| a n = 10 | b n = 7 |
| c n = 9 | d n = 12 |
| e n = 8 | f n = 11 |