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NAME _____

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EXPONENTS & SQUARE ROOTS: Worksheet 2

Simplify.

¹⁾ 7²

2) 5³

3) 3⁵

 $^{4)}$ 10^4

5) $\sqrt{49}$

6) $\sqrt{900}$

7) $\sqrt{169}$

8) $\sqrt{81}$

Each square root below is between what two whole numbers?

9) $\sqrt{27}$

 $10) \sqrt{106}$

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KEY

EXPONENTS & SQUARE ROOTS: Worksheet 2

Simplify.

$$\begin{array}{ccc}
1) & 7^2 \\
7 \times 7
\end{array}$$

49

$$5 \times 5 \times 5$$

125

$$\begin{array}{ccc}
3) & 3^5 \\
3 \times 3 \times 3 \times 3 \times 3 \\
243
\end{array}$$

 $\begin{array}{ccc}
 & 10^4 \\
 & 10 \times 10 \times 10 \times 10 \\
 & 10,000
\end{array}$

$$\begin{array}{cc}
5) & \sqrt{49} \\
7
\end{array}$$

6) √90030

$$\sqrt{169}$$
13

 $\begin{array}{cc}
8) & \sqrt{81} \\
9 &
\end{array}$

Each square root below is between what two whole numbers?

9)
$$\sqrt{27}$$

$$\sqrt{25} = 5$$

$$\sqrt{36} = 6$$

Therefore: $\sqrt{27}$ is between 5 and 6.

10)
$$\sqrt{106}$$

$$\sqrt{100} = 10$$

$$\sqrt{121} = 11$$

Therefore: $\sqrt{106}$ is between 10 and 11.