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EXPONENTS & SQUARE ROOTS: Worksheet 1

Simplify.

1) 6^2 2) 7^3

3) 2^5 4) 5^4

5) $\sqrt{25}$ 6) $\sqrt{400}$

7) $\sqrt{121}$ 8) $\sqrt{64}$

Each square root below is between what two whole numbers?

9) $\sqrt{18}$ 10) $\sqrt{70}$

KEY
EXPONENTS & SQUARE ROOTS: Worksheet 1

Simplify.

1) 6^2

6×6

36

2) 7^3

$7 \times 7 \times 7$

343

3) 2^5

$2 \times 2 \times 2 \times 2 \times 2$

32

4) 5^4

$5 \times 5 \times 5 \times 5$

625

5) $\sqrt{25}$

5

6) $\sqrt{400}$

20

7) $\sqrt{121}$

11

8) $\sqrt{64}$

8

Each square root below is between what two whole numbers?

9) $\sqrt{18}$

$\sqrt{16} = 4$

$\sqrt{25} = 5$

$Therefore:$ $\sqrt{18}$ is between 4 and 5.

10) $\sqrt{70}$

$\sqrt{64} = 8$

$\sqrt{81} = 9$

$Therefore:$ $\sqrt{70}$ is between 8 and 9.