

NAME _____

DATE _____

EXPONENTS & SQUARE ROOTS: Worksheet 2

Simplify.

1) 7^2

2) 5^3

3) 3^5

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) $\sqrt{106}$

KEY
EXPONENTS & SQUARE ROOTS: Worksheet 2

Simplify.

1) 7^2
 7×7
49

2) 5^3
 $5 \times 5 \times 5$
125

3) 3^5
 $3 \times 3 \times 3 \times 3 \times 3$
243

4) 10^4
 $10 \times 10 \times 10 \times 10$
10,000

5) $\sqrt{49}$
7

6) $\sqrt{900}$
30

7) $\sqrt{169}$
13

8) $\sqrt{81}$
9

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.