

NAME _____

DATE _____

EXPONENTS & SQUARE ROOTS: Worksheet 3

Simplify.

1) 9^2

2) 6^3

3) 1^5

4) 4^4

5) $\sqrt{36}$

6) $\sqrt{144}$

7) $\sqrt{225}$

8) $\sqrt{16}$

Each square root below is between what two whole numbers?

9) $\sqrt{8}$

10) $\sqrt{85}$

KEY
EXPONENTS & SQUARE ROOTS: Worksheet 3

Simplify.

1) 9^2
 9×9
81

2) 6^3
 $6 \times 6 \times 6$
216

3) 1^5
 $1 \times 1 \times 1 \times 1 \times 1$
1

4) 4^4
 $4 \times 4 \times 4 \times 4$
256

5) $\sqrt{36}$
6

6) $\sqrt{144}$
12

7) $\sqrt{225}$
15

8) $\sqrt{16}$
4

Each square root below is between what two whole numbers?

9) $\sqrt{8}$
 $\sqrt{4} = 2$
 $\sqrt{9} = 3$
Therefore: $\sqrt{8}$ is between 2 and 3.

10) $\sqrt{85}$
 $\sqrt{81} = 9$
 $\sqrt{100} = 10$
Therefore: $\sqrt{85}$ is between 9 and 10.