



## Radicals - Square - Simplifying from Factors, Values only, Radical Remaining

1

Simplify the radical

$$\sqrt{3 \cdot 3 \cdot 7}$$

A

$$3\sqrt{7}$$

B

$$4\sqrt{9}$$

C

$$\sqrt{10}$$

D

$$\sqrt{7}$$

E

$$5\sqrt{7}$$

2

Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot 7}$$

A

$$4\sqrt{7}$$

B

$$2\sqrt{8}$$

C

$$2\sqrt{3}$$

D

$$4\sqrt{4}$$

3

Simplify the radical

$$\sqrt{2 \cdot 3 \cdot 3}$$

A

$$6$$

B

$$3\sqrt{2}$$

C

$$1$$

D

$$4$$

E

$$2$$

4

Simplify the radical

$$\sqrt{3 \cdot 5 \cdot 5}$$

A

$$3\sqrt{3}$$

B

$$4$$

C

$$5\sqrt{3}$$

D

$$6$$

E

$$6\sqrt{6}$$

5

Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 7}$$

A

$$\sqrt{4}$$

B

$$3\sqrt{8}$$

C

$$\sqrt{6}$$

D

$$\sqrt{5}$$

E

$$2\sqrt{7}$$

6

Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 5}$$

A

$$\sqrt{2}$$

B

$$2\sqrt{5}$$

C

$$4\sqrt{5}$$

D

$$\sqrt{6}$$

E

$$1$$

7

Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot 3}$$

A

$$\sqrt{2}$$

B

$$3\sqrt{3}$$

C

$$4\sqrt{3}$$

D

$$1$$

8

Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot 5}$$

A

$$4\sqrt{5}$$

B

$$7\sqrt{4}$$

C

$$7\sqrt{8}$$

D

$$\sqrt{3}$$

E

$$2\sqrt{6}$$