



Math worksheet on 'Radicals - Cube - Simplifying from Factors, Values only, Radical Remaining (Level 2)'. Part of a broader unit on 'Radicals - Simplifying Practice'

Learn online: app.mobius.academy/math/units/radicals_simplifying_practice/

1

Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot 11}$$

a

$\sqrt{10}$

b

$4\sqrt{11}$

c

$5\sqrt{10}$

d

$6\sqrt{12}$

e

$5\sqrt{7}$

f

$6\sqrt{14}$

2

Simplify the radical

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

a

$4\sqrt{2}$

b

4

c

3

d

$4\sqrt{3}$

e

6

f

$2\sqrt{4}$

3

Simplify the radical

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

a

$\sqrt{4}$

b

$\sqrt{3}$

c

$\sqrt{6}$

d

$2\sqrt{2}$

e

$2\sqrt{4}$

f

$3\sqrt{5}$

4

Simplify the radical

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

a

$6\sqrt{8}$

b

$2\sqrt{7}$

c

$5\sqrt{7}$

d

$3\sqrt{7}$

e

$\sqrt{8}$

f

$3\sqrt{8}$

5

Simplify the radical

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

a

$\sqrt{6}$

b

$5\sqrt{5}$

c

$3\sqrt{3}$

d

$\sqrt{2}$

e

$2\sqrt{3}$

f

$2\sqrt{6}$

6

Simplify the radical

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

a

$\sqrt{4}$

b

$5\sqrt{8}$

c

$5\sqrt{6}$

d

$2\sqrt{7}$

e

$5\sqrt{9}$

f

$2\sqrt{4}$

7

Simplify the radical

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

a

$5\sqrt{7}$

b

$5\sqrt{5}$

c

$4\sqrt{6}$

d

1

e

$8\sqrt{2}$

f

$\sqrt{2}$