

Represent perfect cubes

1

Simplify the radical

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

A

$$4\sqrt[3]{4}$$

B

$$7\sqrt[3]{2}$$

C

$$5$$

D

$$\sqrt[3]{4}$$

E

$$1$$

2

Simplify the radical

$$\sqrt[3]{5^3}$$

A

$$8$$

B

$$7$$

C

$$5\sqrt[3]{4}$$

D

$$1$$

E

$$5$$

3

Simplify the radical

$$\sqrt[3]{8}$$

A

$$1$$

B

$$2$$

C

$$5$$

D

$$\sqrt[3]{2}$$

E

$$4$$

4

Find the answer when this number is raised to its exponent

$$32^{\left(\frac{1}{5}\right)}$$

A

$$2$$

B

$$3$$

C

$$5$$

D

$$2^{\sqrt[5]{2}}$$

E

$$2^{\sqrt[5]{4}}$$

F

$$2^{\sqrt[5]{3}}$$

5

Simplify the radical

$$\sqrt[3]{27}$$

A

$$5\sqrt[3]{3}$$

B

$$5$$

C

$$1$$

D

$$3$$

E

$$4$$

6

Find the answer when this number is raised to its exponent

$$4^{\left(\frac{1}{2}\right)}$$

A

$$4$$

B

$$1$$

C

$$2$$

D

$$3$$

E

$$2\sqrt{4}$$

F

$$2\sqrt{2}$$

7

Find the answer when this number is raised to its exponent

$$64^{\left(\frac{1}{3}\right)}$$

A

$$2$$

B

$$1$$

C

$$3$$

D

$$5$$

E

$$4\sqrt[3]{2}$$

F

$$4$$

8

Find the answer when this number is raised to its exponent

$$36^{\left(\frac{1}{2}\right)}$$

A

$$3$$

B

$$2$$

C

$$4$$

D

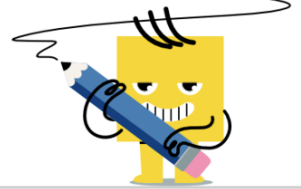
$$6$$

E

$$6\sqrt{2}$$

F

$$1$$



Represent perfect cubes

9

Find the answer when this number is raised to its exponent

$$16^{\left(\frac{1}{4}\right)}$$

A 1	B 3	C 2
D 5	E $2^{\sqrt[4]{2}}$	F $2^{\sqrt[4]{3}}$

10

Find the answer when this number is raised to its exponent

$$27^{\left(\frac{1}{3}\right)}$$

A 4	B 1	C $3^{\sqrt[3]{2}}$
D 3	E $3^{\sqrt[3]{4}}$	F 5

11

Find the answer when this number is raised to its exponent

$$125^{\left(\frac{1}{3}\right)}$$

A 3	B 4	C $5^{\sqrt[3]{3}}$
D 5	E 1	F 2

12

Find the answer when this number is raised to its exponent

$$9^{\left(\frac{1}{2}\right)}$$

A $3^{\sqrt{4}}$	B 5	C $3^{\sqrt{3}}$
D 4	E 3	F 2