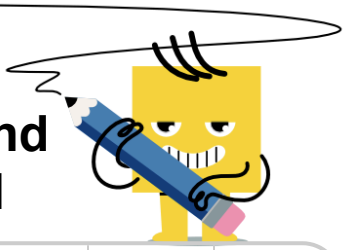
Name

Radicals - Division with Mixed Index and Power of Radicand (Fraction) - Radical over Integer



1 What does this radical expression simplify to?

$$\frac{\sqrt{125^2}}{25}$$

A 5

B $\frac{173}{51}$

C $\frac{8}{9}$

D $\frac{43}{23}$

E $\frac{61}{49}$

2 What does this radical expression simplify to?

$$\frac{\sqrt{27^2}}{32}$$

A $\frac{27}{43}$

B $\frac{27}{32}$

C $\frac{28}{67}$

D $\frac{49}{18}$

E $\frac{1}{50}$

3 What does this radical expression simplify to?

$$\frac{\sqrt[3]{8^2}}{27}$$

A $\frac{3}{28}$

B $\frac{4}{27}$

C $\frac{1}{3}$

D $\frac{5}{33}$

E $\frac{1}{43}$

4 What does this radical expression simplify to?

$$\frac{\sqrt[3]{16^3}}{27}$$

A $\frac{7}{38}$

B $\frac{4}{43}$

C $\frac{11}{16}$

D $\frac{1}{5}$

E $\frac{16}{27}$

5 What does this radical expression simplify to?

$$\frac{\sqrt{16^2}}{4}$$

A 1

B 3

C $\frac{11}{7}$

D 4

6 What does this radical expression simplify to?

$$\frac{\sqrt[3]{32^3}}{32}$$

A 1

B $\frac{2}{3}$

C $\frac{8}{3}$

D $\frac{21}{32}$

E $\frac{62}{13}$

7 What does this radical expression simplify to?

$$\frac{\sqrt[3]{64^3}}{27}$$

A $\frac{73}{43}$

B 11

C $\frac{49}{11}$

D $\frac{64}{27}$

E $\frac{27}{23}$

8 What does this radical expression simplify to?

$$\frac{\sqrt[3]{36^3}}{16}$$

A $\frac{34}{23}$

B $\frac{9}{4}$

C $\frac{47}{18}$

D $\frac{51}{31}$

E $\frac{2}{3}$