

Reduce to lowest terms.

9) $\frac{15}{27}$

9) _____

A) $\frac{3}{9}$

B) $\frac{5}{9}$

C) $\frac{5}{3}$

D) $\frac{15}{27}$

$$\frac{15}{27} \div 3 = \frac{5}{9}$$

Write the requested fraction in lowest terms.

- 10) A survey is conducted in front of a department store. The person conducting the survey asks 204 women if they used a certain cosmetic product and 48 respond that they do use the product. What is the fraction of the women surveyed that said they used the product?

10) _____

A) $\frac{8}{17}$

B) $\frac{17}{4}$

C) $\frac{25}{102}$

D) $\frac{4}{17}$

$$\frac{48 \text{ yes}}{204 \text{ asked}} \quad \frac{48}{204} \div 4 = \frac{12}{51} \div 3 \Rightarrow \frac{4}{17} \leftarrow \text{prime, done}$$

Reduce to lowest terms.

11) $\frac{9yz}{6z}$

11) _____

A) $\frac{9}{6}y$

B) $\frac{2}{3}z$

C) $\frac{2}{3}y$

D) $\frac{3}{2}y$

$$\frac{9yz}{6z} \div 3 = \frac{3yz}{2z} \div z = \frac{3y}{2}$$

12) $\frac{18x^3yz^2}{33xy^2z^4}$

12) _____

A) $6yz^2$