Name

Factorial Calculation - Single over Simple Multiplication

1 What is the value of this factorial expression?

$$\frac{2!}{2! \cdot 4!}$$

A $\frac{1}{48}$ B $\frac{1}{6}$ C $\frac{1}{24}$ D $\frac{1}{8}$ E $\frac{1}{72}$

2 What is the value of this factorial expression?

$$\frac{5!}{5! \cdot 2!}$$

A 20 B $\frac{1}{240}$ C 5 D $\frac{1}{2}$ E $\frac{5}{2}$

3 What is the value of this factorial expression?

$$\frac{3!}{4! \cdot 2!}$$

A $\frac{1}{2}$ B $\frac{3}{2}$ C $\frac{5}{2}$ D $\frac{1}{8}$ E 6

4 What is the value of this factorial expression?

$$\frac{2!}{2! \cdot 3!}$$

A 1 B $\frac{1}{12}$ C $\frac{1}{6}$ D $\frac{1}{3}$

5 What is the value of this factorial expression?

$$\frac{3!}{2! \cdot 2!}$$

A 30 B 6 C $\frac{3}{2}$ D 3

6 What is the value of this factorial expression?

$$\frac{4!}{2! \cdot 4!}$$

A $\frac{1}{10}$ B $\frac{1}{2}$ C $\frac{1}{48}$ D 1

7 What is the value of this factorial expression?

$$\frac{4!}{4! \cdot 3!}$$

A 1 B $\frac{1}{6}$ C 12 D 24 E 6

8 What is the value of this factorial expression?

$$\frac{2!}{3! \cdot 3!}$$

A $\frac{2}{3}$ B 2 C $\frac{1}{36}$ D $\frac{1}{120}$ E $\frac{1}{18}$