Mobius Math Club Name:_____

Math worksheet on *'Factorial Calculation - 1 over Bracketed Multiplication (Level 1)'*. Part of a broader on *'Probability and Statistics - Probability with Factor Intro'*

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

1 What is the value of this factorial expression?

$$\frac{1}{4! \cdot (6-4)!}$$

a $\frac{1}{144}$ **b** $\frac{1}{48}$ **c** $\frac{1}{12}$ **d** $\frac{1}{24}$

2 What is the value of this factorial expression?

$$\frac{1}{3! \cdot (6-3)!}$$

a $\frac{1}{12}$ **b** $\frac{1}{36}$ **c** $\frac{1}{6}$ **d** $\frac{1}{144}$

3 What is the value of this factorial expression?

$$\frac{1}{2! \cdot (4-2)!}$$

a $\frac{1}{240}$ **b** $\frac{1}{4}$ **c** $\frac{1}{12}$ **d** $\frac{1}{2}$ **e** $\frac{1}{48}$

4 What is the value of this factorial expression?

$$\frac{1}{5! \cdot (3-2)!}$$

a $\frac{1}{240}$ **b** $\frac{1}{12}$ **c** $\frac{1}{48}$ **d** $\frac{1}{120}$

5 What is the value of this factorial expression?

$$\frac{1}{3! \cdot (5-2)!}$$

a $\frac{1}{12}$ **b** $\frac{1}{36}$ **c** $\frac{1}{6}$ **d** $\frac{1}{144}$

6 What is the value of this factorial expression?

$$\frac{1}{5! \cdot (6-6)!}$$

a $\frac{1}{240}$ **b** $\frac{1}{24}$ **c** $\frac{1}{120}$

7 What is the value of this factorial expression?

$$\frac{1}{4! \cdot (4-2)!}$$

a $\frac{1}{48}$ **b** $\frac{1}{144}$ **c** $\frac{1}{120}$ **d** $\frac{1}{24}$