Math worksheet on *'Factorial Calculation - Single ov Simple Multiplication (Level 1)'*. Part of a broader unit *'Probability and Statistics - Probability with Factoria Intro'*

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**1** What is the value of this factorial expression?

$$\frac{5!}{3! \cdot 2!}$$

a) 20 b) 10 c) $\frac{1}{2}$ d) 30

**2** What is the value of this factorial expression?

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

a) $\frac{1}{18}$ b) $\frac{5}{6}$ c) 4 d) $\frac{2}{3}$ e) $\frac{1}{72}$

**3** What is the value of this factorial expression?

$$\frac{5!}{3! \cdot 3!}$$

a) $\frac{1}{144}$ b) $\frac{10}{3}$ c) 10 d) $\frac{5}{6}$ e) $\frac{1}{6}$

**4** What is the value of this factorial expression?

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

a) 1 b) $\frac{1}{72}$ c) $\frac{1}{18}$ d) $\frac{1}{2}$ e) $\frac{5}{6}$

**5** What is the value of this factorial expression?

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

a) $\frac{1}{10}$ b) $\frac{1}{120}$ c) $\frac{1}{240}$ d) $\frac{2}{3}$ e) $\frac{1}{60}$

**6** What is the value of this factorial expression?

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

a) $\frac{1}{6}$ b) $\frac{1}{72}$ c) $\frac{2}{3}$ d) 1

**7** What is the value of this factorial expression?

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

a) $\frac{1}{8}$ b) $\frac{1}{24}$ c) $\frac{1}{6}$ d) $\frac{1}{4}$