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Math worksheet on *'Factorial Calculation - Single over Simple Multiplication (Level 1)'*. Part of a broader unit *'Probability and Statistics - Probability with Factorials Intro'*
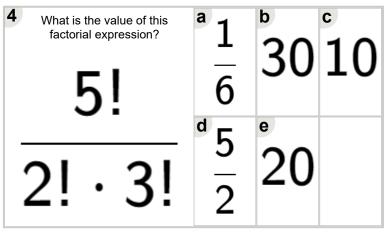
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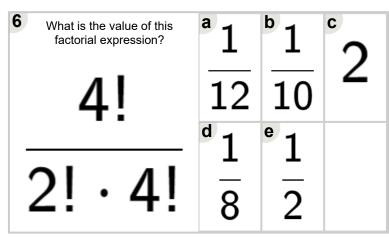app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

1 What is the value of this factorial expression?

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

a $\frac{1}{6}$	b $\frac{1}{144}$	c $\frac{1}{72}$
d $\frac{1}{24}$	e $\frac{2}{3}$	

2 What is the value of this factorial expression?

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

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

3 What is the value of this factorial expression?

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

a $\frac{1}{24}$	b $\frac{1}{48}$	c $\frac{1}{8}$
d $\frac{1}{120}$	e $\frac{1}{2}$	

4 What is the value of this factorial expression?

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

a $\frac{1}{6}$	b 30	c 10
d $\frac{5}{2}$	e 20	

5 What is the value of this factorial expression?

$$\frac{4!}{5! \cdot 2!}$$

a $\frac{1}{10}$	b $\frac{1}{6}$	c $\frac{1}{2}$
d $\frac{1}{40}$		

6 What is the value of this factorial expression?

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

a $\frac{1}{12}$	b $\frac{1}{10}$	c 2
d $\frac{1}{8}$	e $\frac{1}{2}$	

7 What is the value of this factorial expression?

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

a $\frac{1}{24}$	b $\frac{1}{5}$	c $\frac{1}{120}$
d $\frac{5}{2}$		