



Math worksheet on 'Probability nCr Notation - Form Value (Level 1)'. Part of a broader unit on 'Probability Statistics - Probability with Factorials Practice'

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1 Select the correct value for when this formula is calculated

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

a $\frac{24}{2}$	b $\frac{720}{48}$	c $\frac{6}{2}$
d $\frac{24}{4}$	e $\frac{2}{24}$	

2 Select the correct value for when this formula is calculated

$$\frac{5!}{5! \cdot 0!}$$

a $\frac{6}{6}$	b $\frac{24}{24}$	c $\frac{120}{24}$
d $\frac{120}{120}$	e $\frac{120}{1}$	

3 Select the correct value for when this formula is calculated

$$\frac{6!}{3! \cdot 3!}$$

a $\frac{720}{36}$	b $\frac{6}{720}$	c $\frac{24}{4}$
d $\frac{5040}{240}$	e $\frac{40320}{1440}$	f $\frac{720}{6}$

4 Select the correct value for when this formula is calculated

$$\frac{3!}{3! \cdot 0!}$$

a $\frac{6}{6}$	b $\frac{6}{1}$	c $\frac{6}{2}$

5 Select the correct value for when this formula is calculated

$$\frac{3!}{2! \cdot 1!}$$

a $\frac{120}{24}$	b $\frac{6}{6}$	c $\frac{6}{2}$
d $\frac{6}{1}$	e $\frac{2}{6}$	

6 Select the correct value for when this formula is calculated

$$\frac{6!}{4! \cdot 2!}$$

a $\frac{24}{6}$	b $\frac{5040}{144}$	c $\frac{720}{2}$
d $\frac{24}{720}$	e $\frac{40320}{576}$	f $\frac{720}{48}$

7 Select the correct value for when this formula is calculated

$$\frac{6!}{2! \cdot 4!}$$

a $\frac{5040}{240}$	b $\frac{5040}{144}$	c $\frac{720}{48}$
d $\frac{720}{24}$	e $\frac{40320}{1440}$	f $\frac{120}{12}$