



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

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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 $\frac{24}{4}$	c $\frac{720}{48}$
d $\frac{2}{24}$		

**2** Select the correct value for when this formula is calculated

$$\frac{5!}{4! \cdot 1!}$$

a $\frac{120}{1}$	b $\frac{6}{6}$	c $\frac{120}{12}$
d $\frac{120}{24}$	e $\frac{24}{4}$	

**3** Select the correct value for when this formula is calculated

$$\frac{4!}{3! \cdot 1!}$$

a $\frac{24}{1}$	b $\frac{24}{6}$
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**4** Select the correct value for when this formula is calculated

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

a $\frac{6}{120}$	b $\frac{6}{6}$	c $\frac{120}{2}$
d $\frac{120}{12}$		

**5** Select the correct value for when this formula is calculated

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

a $\frac{120}{1}$	b $\frac{6}{6}$	c $\frac{120}{120}$

**6** Select the correct value for when this formula is calculated

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

a $\frac{720}{24}$	b $\frac{720}{48}$	c $\frac{2}{720}$

**7** Select the correct value for when this formula is calculated

$$\frac{6!}{6! \cdot 0!}$$

a $\frac{720}{1}$	b $\frac{720}{720}$
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