mob

Math worksheet on *'Probability nPm Notation - For*
(Level 1)'. Part of a broader unit on *'Probability an*
Permutations and Combinations Calculating

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1 Select the correct value for when this formula is calculated

$$6!$$

a	b	c
$\dfrac{24}{1}$	$\dfrac{120}{1}$	$\dfrac{720}{1}$
d	e	
$\dfrac{720}{120}$	$\dfrac{5040}{1}$	

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2 Select the correct value for when this formula is calculated

$$\dfrac{4!}{2!}$$

a	b	c
$\dfrac{2}{1}$	$\dfrac{24}{2}$	$\dfrac{6}{1}$
d	e	
$\dfrac{24}{4}$	$\dfrac{120}{6}$	

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3 Select the correct value for when this formula is calculated

$$\dfrac{6!}{4!}$$

a	b	c
$\dfrac{720}{24}$	$\dfrac{24}{1}$	$\dfrac{24}{2}$
d	e	
$\dfrac{2}{1}$	$\dfrac{720}{48}$	

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4 Select the correct value for when this formula is calculated

$$5!$$

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

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5 Select the correct value for when this formula is calculated

$$3!$$

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

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6 Select the correct value for when this formula is calculated

$$\dfrac{6!}{2!}$$

a	b	c
$\dfrac{720}{1}$	$\dfrac{24}{1}$	$\dfrac{720}{48}$
d	e	f
$\dfrac{40320}{6}$	$\dfrac{120}{1}$	$\dfrac{720}{2}$

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7 Select the correct value for when this formula is calculated

$$\dfrac{6!}{3!}$$

a	b	c
$\dfrac{6}{1}$	$\dfrac{40320}{720}$	$\dfrac{720}{36}$
d	e	f
$\dfrac{24}{1}$	$\dfrac{720}{6}$	$\dfrac{24}{2}$