



Math worksheet on 'Probability Calculation - nPr & nCr Division (Level 1)'. Part of a broader unit on 'Probability Calculations'.

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

$$\frac{{}_5P_4}{{}_5P_4}$$

a	3	b	$\frac{1}{360}$	c	120
d	1				

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

$$\frac{{}_5P_5}{{}_6P_3}$$

a	5	b	144	c	1
d	120	e	$\frac{1}{120}$		

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

$$\frac{{}_4P_4}{{}_2P_2}$$

a	12	b	24	c	360
d	$\frac{1}{120}$	e	1		

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

$$\frac{{}_6P_2}{{}_5P_3}$$

a	$\frac{1}{60}$	b	$\frac{1}{2}$	c	480
d	30	e	3		

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

$$\frac{{}_3P_2}{{}_4P_3}$$

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

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

$$\frac{{}_6P_2}{{}_3P_2}$$

a	5	b	$\frac{1}{6}$	c	60
d	6	e	30		

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

$$\frac{{}_6P_3}{{}_5P_2}$$

a	$\frac{1}{20}$	b	6	c	4
d	18	e	24		