



Math worksheet on 'Factorial Division - To Multiplication (Level 2)'. Part of a broader unit on 'Probability and Binomial Notation Practice'

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**1** Select the correct equivalent to this factorial

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

**a**  
 $5 \cdot 4 \cdot 3 \cdot 2$

**b**  
 $\frac{1}{4 \cdot 3}$

**c**  
 $7 \cdot 6 \cdot 5 \cdot 4 \cdot 3$

**d**  
 $\frac{1}{8 \cdot 7 \cdot 6 \cdot 5 \cdot 4}$

**e**  
 $\frac{1}{6 \cdot 5 \cdot 4}$

**2** Select the correct equivalent to this factorial

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

**a**  
 $6 \cdot 5 \cdot 4$

**b**  
 $5$

**c**  
 $\frac{1}{8 \cdot 7 \cdot 6 \cdot 5 \cdot 4}$

**d**  
 $\frac{1}{5 \cdot 4 \cdot 3}$

**e**  
 $\frac{1}{6 \cdot 5}$

**3** Select the correct equivalent to this factorial

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

**a**  
 $\frac{1}{5}$

**b**  
 $1$

**c**  
 $\frac{1}{3}$

**d**  
 $\frac{1}{4}$

**4** Select the correct equivalent to this factorial

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

**a**  
 $\frac{1}{2}$

**b**  
 $\frac{1}{3}$

**c**  
 $\frac{1}{4}$

**d**  
 $4$

**5** Select the correct equivalent to this factorial

$$\frac{3!}{3!}$$

**a**  
 $4 \cdot 3 \cdot 2$

**b**  
 $\frac{1}{4}$

**c**  
 $3 \cdot 2$

**d**  
 $\frac{1}{3 \cdot 2}$

**e**  
 $1$

**6** Select the correct equivalent to this factorial

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

**a**  
 $\frac{1}{7 \cdot 6 \cdot 5 \cdot 4 \cdot 3}$

**b**  
 $6 \cdot 5 \cdot 4 \cdot 3$

**c**  
 $\frac{1}{5 \cdot 4}$

**d**  
 $\frac{1}{6 \cdot 5}$

**e**  
 $5 \cdot 4 \cdot 3 \cdot 2$

**7** Select the correct equivalent to this factorial

$$\frac{5!}{5!}$$

**a**  
 $7 \cdot 6$

**b**  
 $1$

**c**  
 $\frac{1}{6 \cdot 5}$

**d**  
 $6$