Math worksheet on *'Probability Calculation - Binomial Multiplication Over Single (Level 1)'*. Part of a br *'Probability and Statistics - Permutations and Combin - Practice'*

Learn online:

app.mobius.academy/math/units/probability_and_statistics_permutations_and_combi

1 What is the value of this probability expression?

$$\frac{\binom{6}{6} \cdot \binom{4}{2}}{\binom{3}{3}}$$

a $\frac{1}{10}$ **b** 6 **c** 1 **d** $\frac{1}{15}$

2 What is the value of this probability expression?

$$\frac{\binom{6}{3} \cdot \binom{6}{6}}{\binom{2}{2}}$$

a 1 **b** 20 **c** $\frac{4}{3}$ **d** 6

3 What is the value of this probability expression?

$$\frac{\binom{5}{4} \cdot \binom{4}{2}}{\binom{3}{2}}$$

a 3 **b** $\frac{5}{3}$ **c** 10 **d** $\frac{1}{3}$ **e** 30

4 What is the value of this probability expression?

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

a $\frac{5}{2}$ **b** $\frac{1}{6}$ **c** 5 **d** 15

5 What is the value of this probability expression?

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

a $\frac{2}{5}$ **b** 9 **c** 6 **d** 4

6 What is the value of this probability expression?

$$\frac{\binom{4}{4} \cdot \binom{5}{4}}{\binom{4}{3}}$$

a $\frac{15}{2}$ **b** $\frac{5}{4}$ **c** 5 **d** $\frac{1}{4}$ **e** 1

7 What is the value of this probability expression?

$$\frac{\binom{2}{2} \cdot \binom{4}{3}}{\binom{5}{5}}$$

a 10 **b** 1 **c** $\frac{4}{3}$ **d** 4