Math worksheet on *'Probability Calculation - Binom Simple Multiplication Over Single (Level 1)'*. Part of a *'Probability and Statistics - Permutations and Co Calculating - Intro'*

Learn online:

app.mobius.academy/math/units/probability_and_statistics_permutations_and_combi

1 What is the value of this probability expression?

$$\frac{\binom{5}{2} \cdot \binom{6}{3}}{\binom{5}{3}}$$

a 200 **b** 1 **c** 15 **d** 6 **e** 20

2 What is the value of this probability expression?

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

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

3 What is the value of this probability expression?

$$\frac{\binom{6}{6} \cdot \binom{4}{2}}{\binom{5}{3}}$$

a $\frac{1}{10}$ **b** $\frac{3}{2}$ **c** 9 **d** $\frac{3}{5}$

4 What is the value of this probability expression?

$$\frac{\binom{4}{3} \cdot \binom{5}{4}}{\binom{6}{6}}$$

a 20 **b** 60 **c** 90 **d** 4 **e** 5

5 What is the value of this probability expression?

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

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

6 What is the value of this probability expression?

$$\frac{\binom{4}{4} \cdot \binom{5}{2}}{\binom{6}{3}}$$

a $\frac{1}{2}$ **b** $\frac{1}{\frac{20}{201}}$ **c** 2 **d** $\frac{2}{3}$ **e** $\frac{5}{3}$

7 What is the value of this probability expression?

$$\frac{\binom{6}{5} \cdot \binom{6}{5}}{\binom{6}{2}}$$

a $\frac{2}{5}$ **b** $\frac{12}{5}$ **c** 36 **d** 6