Math worksheet on *'Probability Calculation - Binom Simple Division (Level 1)'*. Part of a broader unit on *' Statistics - Permutations and Combinations Calcu*

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1 What is the value of this probability expression?

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

a 6 **b** $\frac{3}{2}$ **c** 1 **d** 15

2 What is the value of this probability expression?

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

a 1 **b** 15 **c** 45 **d** $\frac{1}{4}$

3 What is the value of this probability expression?

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

a $\frac{2}{9}$ **b** 50 **c** $\frac{10}{3}$ **d** 1

4 What is the value of this probability expression?

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

a $\frac{3}{20}$ **b** $\frac{1}{15}$ **c** 1 **d** $\frac{1}{4}$ **e** $\frac{1}{20}$

5 What is the value of this probability expression?

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

a $\frac{1}{2}$ **b** $\frac{3}{4}$ **c** 1 **d** $\frac{1}{20}$

6 What is the value of this probability expression?

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

a 50 **b** $\frac{10}{3}$ **c** 20

7 What is the value of this probability expression?

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

a 1 **b** $\frac{1}{15}$ **c** 15 **d** 3