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

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

$\binom{4}{3}$

| a | b | c |
|---|---|---|
| $4$ | $\frac{1}{6}$ | $1$ |
| d | | |
| $\frac{2}{45}$ | | |

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

$\binom{3}{2}$

| a | b | c |
|---|---|---|
| $6$ | $\frac{15}{4}$ | $\frac{3}{4}$ |
| d | e | |
| $\frac{1}{2}$ | $3$ | |

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

$\binom{2}{2}$

| a | b | c |
|---|---|---|
| $\frac{1}{15}$ | $1$ | $\frac{1}{4}$ |
| d | | |
| $\frac{1}{6}$ | | |

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

$\binom{6}{6}$

| a | b | c |
|---|---|---|
| $15$ | $\frac{1}{20}$ | $30$ |
| d | e | |
| $1$ | $\frac{1}{60}$ | |

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

$\binom{6}{4}$

| a | b | c |
|---|---|---|
| $\frac{1}{4}$ | $1$ | $\frac{5}{2}$ |
| d | | |
| $15$ | | |

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

$\binom{5}{5}$

| a | b | c |
|---|---|---|
| $1$ | $\frac{1}{10}$ | $15$ |
| d | | |
| $5$ | | |

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

$\binom{5}{3}$

| a | b | c |
|---|---|---|
| $\frac{1}{2}$ | $1$ | $\frac{5}{2}$ |
| d | e | |
| $10$ | $\frac{5}{3}$ | |