

Build Tasks Answers



1. 5, 6: $\frac{2}{6} = \frac{1}{3}$

2. 3, 6: $\frac{2}{8} = \frac{1}{4}$

3. $\frac{3}{12} = 0.25 = 25\%$

4. Theoretical is calculated from the sample space; experimental is based on actual trial results.

5. $\frac{4}{52} = \frac{1}{13}$

6. $60 \times \frac{1}{6} = 10$

7. No – small samples naturally vary; 3 flips is too few to judge fairness.

8. $200 \times 0.4 = 80$

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9. E.g. rolling a 2 and rolling a 5 on the same roll – can't get both.

10. $1 - 0.3 = 0.7$

11. 12 outcomes (H1–H6, T1–T6).

12. Probabilities can't exceed 1 (certain) – 1.2 is too high.