

St Olaves / Newstead

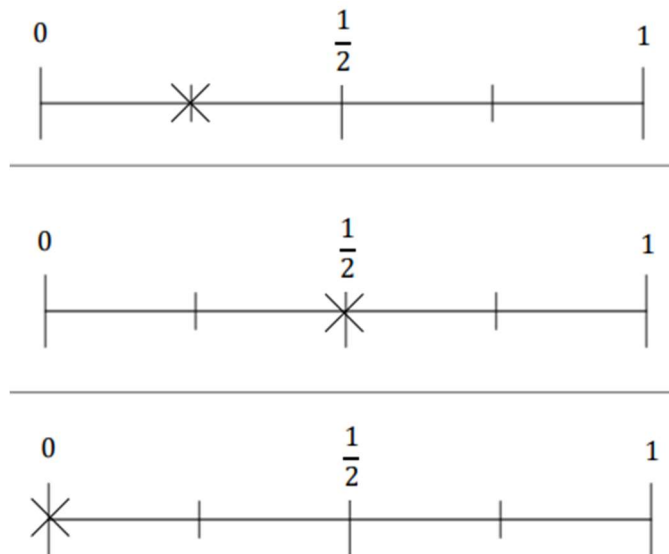
Homework 12 Answer Key

Comprehension

Answer key:

1. C
2. B
3. B
4. B
5. D
6. C
7. C
8. A
9. A
10. A
11. B, C
12. C, E

Probability



$$\frac{1}{6}$$

$$\frac{3}{6} = \frac{1}{2}$$

The dice is likely biased as would expect 100 sixes

Colour	Blue	Red	Green
Probability	$\frac{1}{3}$	$\frac{1}{2}$	$\frac{1}{6}$

$$180 \times \frac{1}{3} = 60$$

Outcome due to chance

$$P(H, T, H) = 0.5 \times 0.5 \times 0.5 = 0.125$$

$$P(T, T, T) = 0.5 \times 0.5 \times 0.5 = 0.125$$

Ben is incorrect, the likelihood of both events is equal.

Sonya is most likely to be the closest to the true probability because she did the most trials (120), compared to Clive and Lucy (30 and 60, respectively).

Verbal Reasoning

24. C. Angry and Happy, these are antonyms, while the others are synonyms.
25. E. Typed Quietly, this phrase doesn't involve speaking whilst the rest do (speaking, shouting, screaming and whispering).
26. E. Adventurous, this word is a noun being described and thus is associated with an adjective.
27. B. 1695, using the given codes, A corresponds to 1, R corresponds to 6, T corresponds to 9, and S corresponds to 5.
28. B 62, given the constraints, the scores must be Jacob-60, Katie-61, Emily-62, Liam-63, Megan-64.
29. A. Mountains weekend hikers climb every, ordered by the length of each word.
30. E. ocean provides people Our food for many, ordered by the number of vowels in each word.
31. D. hope all to brings joy, ordered alphabetically by the final letter.
32. A. Creative wonderful children create dreams, ordered by the number of syllables.
33. B. Site & Sight & Cite only, these words are pronounced the same way.

NVR

**C
D
A
D
E
D
A
C
A
B**