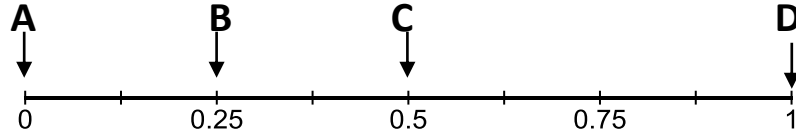


Study Guide for Unit 6

7<sup>th</sup> Grade Math

Use the diagram to answer questions 1 - 4.



1. What is the probability that the coin will land on HEADS? **Point A, B, C, or D?**

CC.7.SP.5

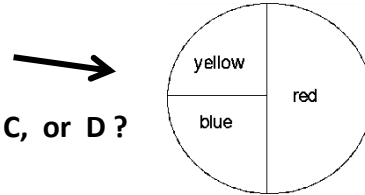
2. What is the probability that you are on Earth right now? **Point A, B, C, or D?**

CC.7.SP.5

3. What is the probability that your brother is an elephant? **Point A, B, C, or D?**

CC.7.SP.5

4. What is the probability that you will land on BLUE on that spinner?



CC.7.SP.5

**Point A, B, C, or D?**

5. If the cards to the right are shuffled, what is the probability that you will draw a 3 or a 4?

1	1	2	2
2	3	3	3
3	4	4	4
4	4	4	4

CC.7.SP.7

6. What is the probability that you will draw a one?

CC.7.SP.7

7. Draw a diagram to illustrate how many different options there are for math projects. *Hint: tree diagram?*

CC.7.SP.8

Math Project	
How	Individual Group
Type of Graph	Circle Graph Bar Graph Line Graph Box Plot
Presentation	Poster Power Point

8. Pat flipped a coin and it landed on heads 3 times in a row. What is the probability that it will land on heads the next time he flips it?

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CC.7.SP.7

9. There are 7 girls and 2 boys on the DMS debate team. There are 3 girls and 4 boys on the HMS debate team. A student from each team is chosen to debate. What is the probability that both students chosen will be boys?

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CC.7.SP.8

10. What is the probability of tossing 4 coins and getting tails on all four?

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CC.7.SP.8

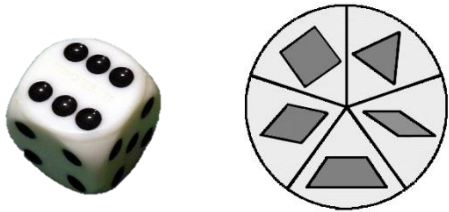
11. Josh has a six-sided number cube. If he rolls it 60 times, how many times should Josh expect to roll a six?

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CC.7.SP.6

12. What is the probability that you will roll a 6 on the number cube AND spin a triangle on the spinner?

CC.7.SP.8



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13. Jack and Jill are playing a game. They flip 2 coins and if BOTH coins land on HEADS, Jill wins. If one lands on tails and one lands on heads, Jack wins. If both land on tails, no one wins. Is this a fair game? Why or why not?

CC.7.SP.8