| N | a | m | e | 8 |
|---|---|---|---|---|
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Date:



Basic Probability

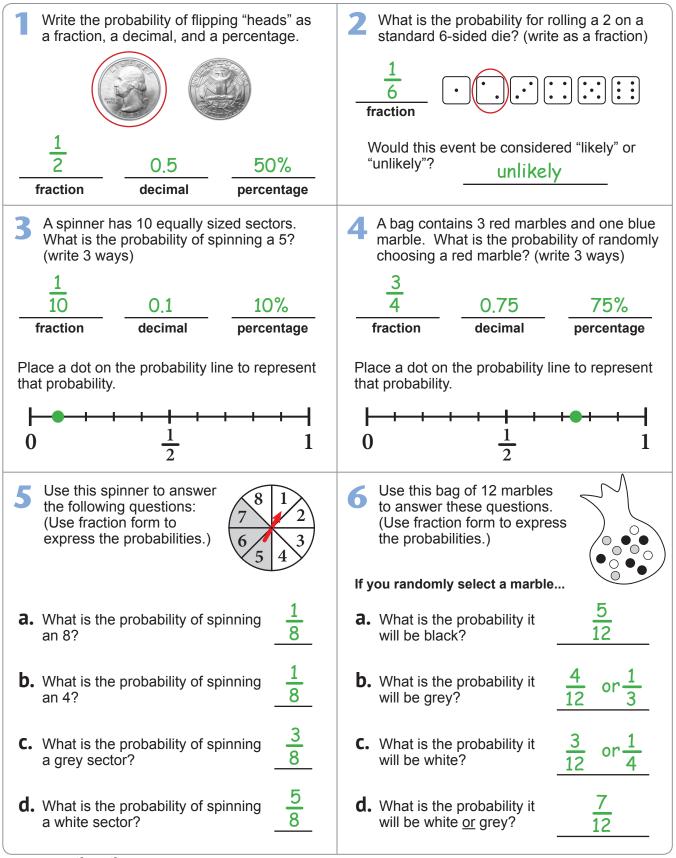
| Write the probability of flipping "heads" as a fraction, a decimal, and a percentage. | 2 What is the probability for rolling a 2 on a standard 6-sided die? (write as a fraction) |
|--|---|
| | fraction |
| | Would this event be considered "likely" or "unlikely"? |
| fraction decimal percentage | |
| A spinner has 10 equally sized sectors. What is the probability of spinning a 5? (write 3 ways) | A bag contains 3 red marbles and one blue marble. What is the probability of randomly choosing a red marble? (write 3 ways) |
| fraction decimal percentage | fraction decimal percentage |
| Place a dot on the probability line to represent that probability. | Place a dot on the probability line to represent that probability. |
| | |
| $\frac{1}{2}$ 1 | $\frac{1}{2}$ 1 |
| 5 Use this spinner to answer the following questions: (Use fraction form to express the probabilities.) $81/2$ | 6 Use this bag of 12 marbles to answer these questions. (Use fraction form to express the probabilities.) |
| | If you randomly select a marble |
| What is the probability of spinning an 8? | a. What is the probability it will be black? |
| b. What is the probability of spinning an 4? | b. What is the probability it will be grey? |
| C. What is the probability of spinning a grey sector? | C. What is the probability it will be white? |
| d. What is the probability of spinning a white sector? | d. What is the probability it will be white <u>or</u> grey? |

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Date:



Basic Probability



See Video for step-by-step solutions to each problem.



Date:

| (Use | ructions: Use this spinner to a fraction form to express the p sible.) | | | | |
|--------------|--|-----------------|----|--|--------------------------------|
| 1 | What is the probability of spinning a 1? | <u>1</u> 8 | 2 | What is the probability of spinning a 1 <u>or</u> a 2? | $\frac{2}{8}$ or $\frac{1}{4}$ |
| 3 | What is the probability of spinning a 6? | | 4 | What is the probability of spinning a white sector? | |
| 5 | What is the probability of spinning a 10? | | 6 | What is the probability of spinning an even number? | |
| 7 | What is the probability of spinning a grey sector? | | 8 | What is the probability of spinning a number greater than 5? | |
| que if pc | ructions: Use this bag of 10 r stions: (Use fraction form to ex ossible.) | kpress the prob | | | |
| 9 | What is the probability that it will be black? | | 10 | What is the probability that it will be grey? | |
| 11 | What is the probability that it will be white? | | 12 | What is the probability that it will be green? | |
| 13 | What is the probability that it will be black <u>or</u> white? | | 14 | What is the probability that it will be black <u>or</u> grey? | |
| 15 | What is the probability that | | 16 | What is the probability that | |

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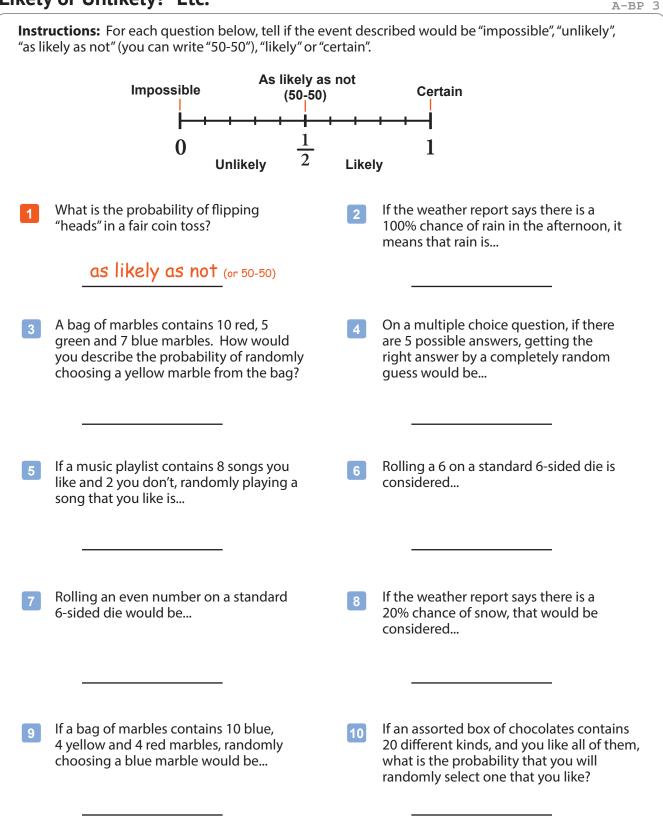
Date:

Basic Probability as Fractions, Decimals and Percents A-BP 2 **Instructions:** Use this spinner to answer the following questions: a (You can use a calculator to get the decimal values if you need to.) 5 What is the probability of 0.625 62.5% spinning a number? fraction decimal percentage What is the probability of 2 spinning a letter? fraction decimal percentage What is the probability of 3 spinning a 'b'? fraction decimal percentage What is the probability of spinning a grey sector? fraction decimal percentage What is the probability of 5 spinning a white sector? fraction decimal percentage What is the probability of spinning 6 a number less than 5? fraction decimal percentage What is the probability of spinning a 7 number or a letter? fraction decimal percentage What is the probability of 8 spinning a 6? fraction decimal percentage What is the probability of spinning 9 a white sector or a 2? fraction decimal percentage



Date:

Likely or Unlikely? Etc.

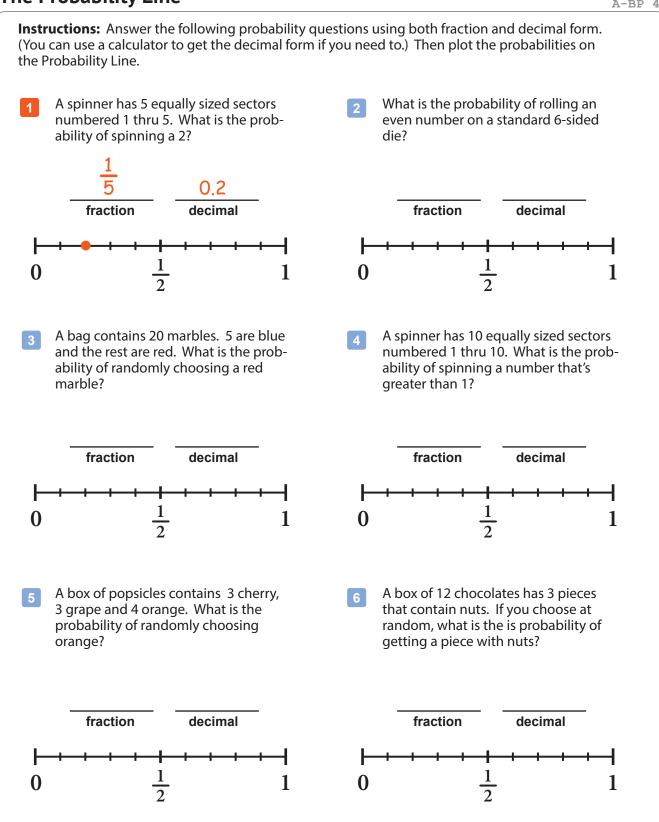




Date:

The Probability Line

A-BP 4



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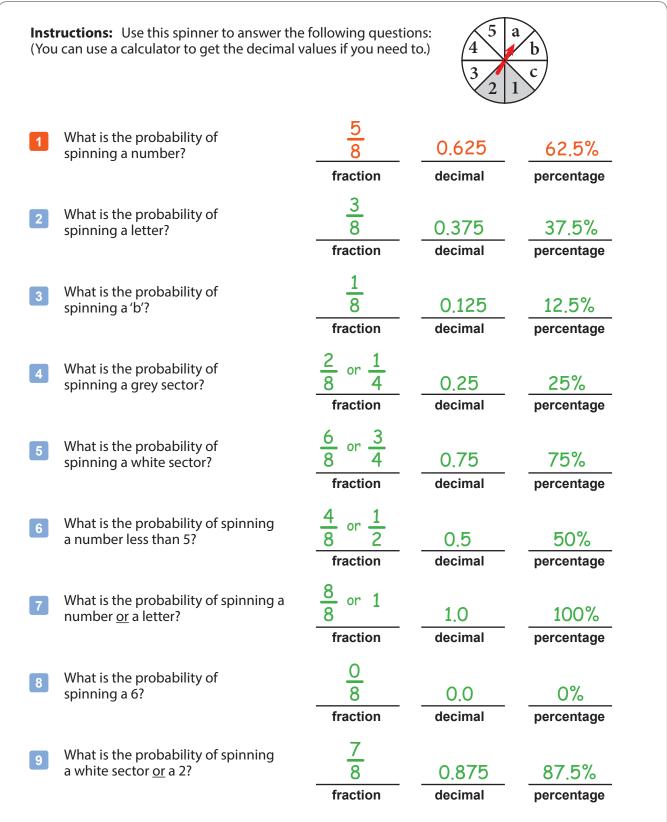
| (Use | tructions: Use this spinner to e fraction form to express the p sible.) | | | | |
|-------------------------------|--|-----------------------------------|------------|--|--|
| 1 | What is the probability of spinning a 1? | <u>1</u> 8 | 2 | What is the probability of spinning a 1 <u>or</u> a 2? | $\frac{2}{8}$ or $\frac{1}{4}$ |
| 3 | What is the probability of spinning a 6? | <u>1</u> 8 | 4 | What is the probability of spinning a white sector? | $\frac{4}{8}$ or $\frac{1}{2}$ |
| 5 | What is the probability of spinning a 10? | $\frac{0}{8}$ or 0 | 6 | What is the probability of spinning an even number? | $\frac{4}{8}$ or $\frac{1}{2}$ |
| 7 | What is the probability of spinning a grey sector? | $\frac{4}{8}$ or $\frac{1}{2}$ | 8 | What is the probability of spinning a number greater than 5? | <u>3</u> 8 |
| | | | | than 5? | |
| que if po | tructions: Use this bag of 10 estions: (Use fraction form to e ossible.) | xpress the prob | | ollowing | |
| que if po | estions: (Use fraction form to e ossible.) | xpress the prob | | ollowing | $\frac{5}{10} \text{ or } \frac{1}{2}$ |
| que if po I f yo | estions: (Use fraction form to e ossible.) ou randomly select a marble. What is the probability that | xpress the prob <u>3</u> | babilities | ollowing and simplify | $\frac{5}{10} \text{ or } \frac{1}{2}$ $\frac{0}{10} \text{ or } 0$ |
| que if po If yo | estions: (Use fraction form to e possible.) OU randomly select a marble. What is the probability that it will be black? What is the probability that | xpress the prob $\frac{3}{10}$ | 10 | ollowing and simplify What is the probability that it will be grey? What is the probability that | $\frac{5}{10} \text{ or } \frac{1}{2}$ $\frac{0}{10} \text{ or } 0$ $\frac{8}{10} \text{ or } \frac{4}{5}$ |



Date:

Basic Probability as Fractions, Decimals and Percents

A-BP 2

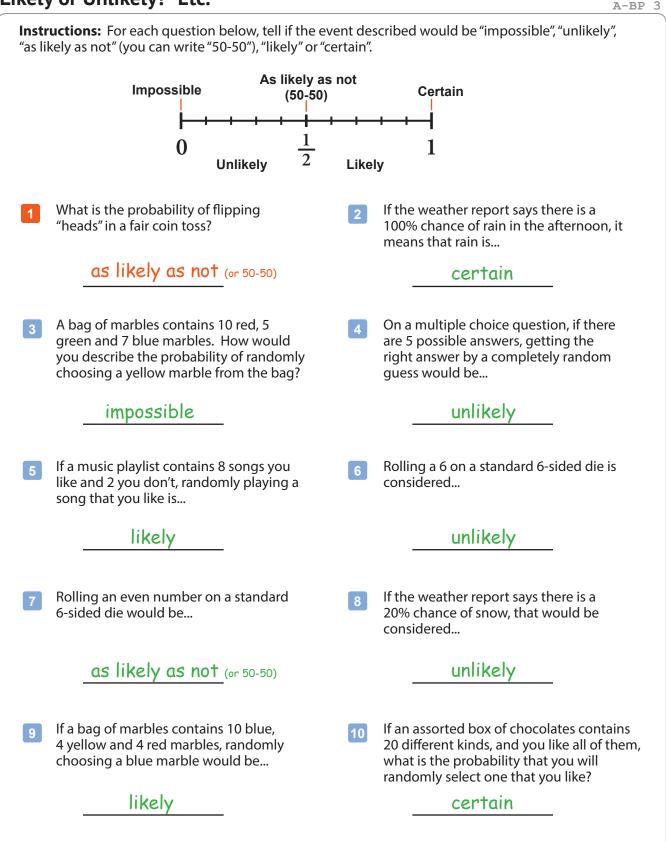


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Date:

Likely or Unlikely? Etc.





Date:

The Probability Line

A-BP 4

