

6-11-18

Aim: SWBAT complete extra review.

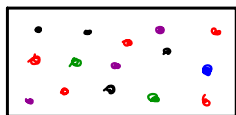
HW: Final Exam tomorrow

Textbooks due tomorrow

Now: Paper, pencil and calculator

Probability

- Basic Probability
- Independent / Dependent Probability
- Experimental Probability
- Tree Diagrams vs BCP



Black - 4
 Purple - 3
 Blue - 1
 Red - 5
 Green - 2
 Total: 15

$$P(\text{blue}) = \frac{1}{15}$$

$$P(\text{red or black}) = \frac{5}{15} + \frac{4}{15} = \frac{9}{15}$$

$$P(\text{not green}) = \frac{13}{15}$$

$$P(\text{black and red})$$

I D
 ↙ ↘
 $\frac{4}{15} \cdot \frac{5}{15} = \frac{4}{45}$ $\frac{4}{15} \cdot \frac{5}{14} = \frac{2}{21}$

$$P(\text{blue, purple})$$

↑ multiply

Independent (with replacement) Dependent (without replacement)

$$\frac{1}{15} \cdot \frac{3}{15} = \frac{1}{75}$$

$$\frac{1}{15} \cdot \frac{3}{14} = \frac{1}{70}$$

$$P(\text{blue, blue})$$

I D
 ↙ ↘
 $\frac{1}{15} \cdot \frac{1}{15} = \frac{1}{225}$ $\frac{1}{15} \cdot \frac{0}{14} = 0$

Blue Experiment

$$\frac{5}{20} = \frac{x}{500}$$

of times the experiment was conducted

$$\frac{20x}{20} = \frac{2500}{20}$$

$$x = 125$$

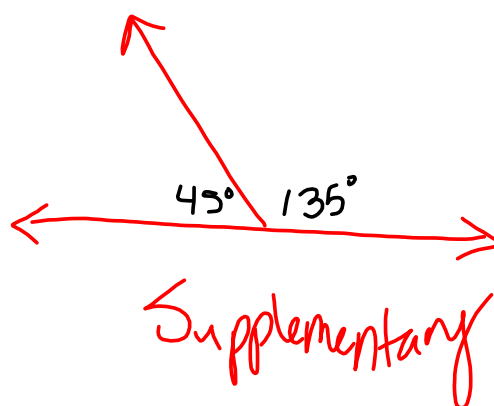
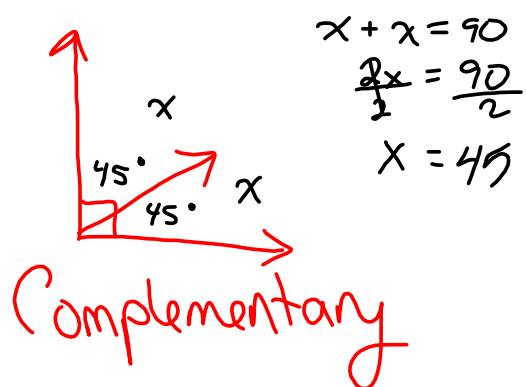
BCP

Coin #1	Coin #2	Coin #3
H, T	H, T	H, T
2	· 2	· 2
8		

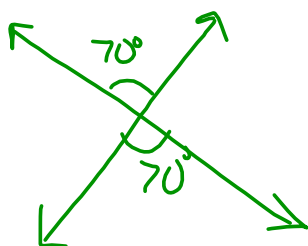
$$P(\text{heads, heads, heads})$$

$$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{8}$$

Angle Relationships



vertical angles are equal



Attachments

Intro To Statistics.ppt

Statistics - PowerPoint.ppt



Coordinate Plane