



Warm Up Grade 7



Total Outcomes = 3 pants × 4 socks × 2 shirts = 24

Make a tree diagram for all the possible outfits if you have to choose pants, shirt and socks

Pants choices: Blue Jeans, Black Jeans, Grey Sweats

Socks: White, Black, Orange, Brown

Shirt: Blue or Green

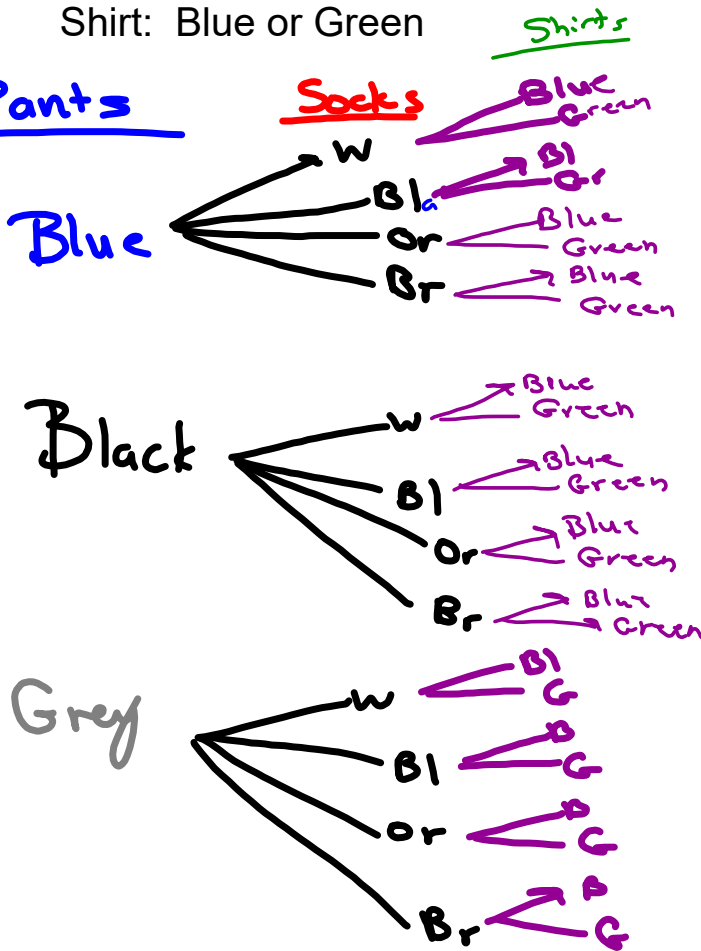
Pants : Socks : Shirts

- Blue : White : Blue
- Blue : White : Green
- Blue : Black : Blue
- Blue : Black : Green
- Blue : Orange : Blue
- Blue : Orange : Green
- Blue : Brown : Blue
- Blue : Brown : Green

- Black : White : Blue
- Black : White : Green
- Black : Black : Blue
- Black : Black : Green
- Black : Orange : Blue
- Black : Orange : Green
- Black : Brown : Blue
- Black : Brown : Green

- grey : White : Blue
- grey : White : Green
- grey : Black : Blue
- grey : Black : Green
- grey : orange : Blue
- grey : orange : Green
- grey : Brown : Blue
- grey : Brown : Green

Pants





Warm Up Grade 7

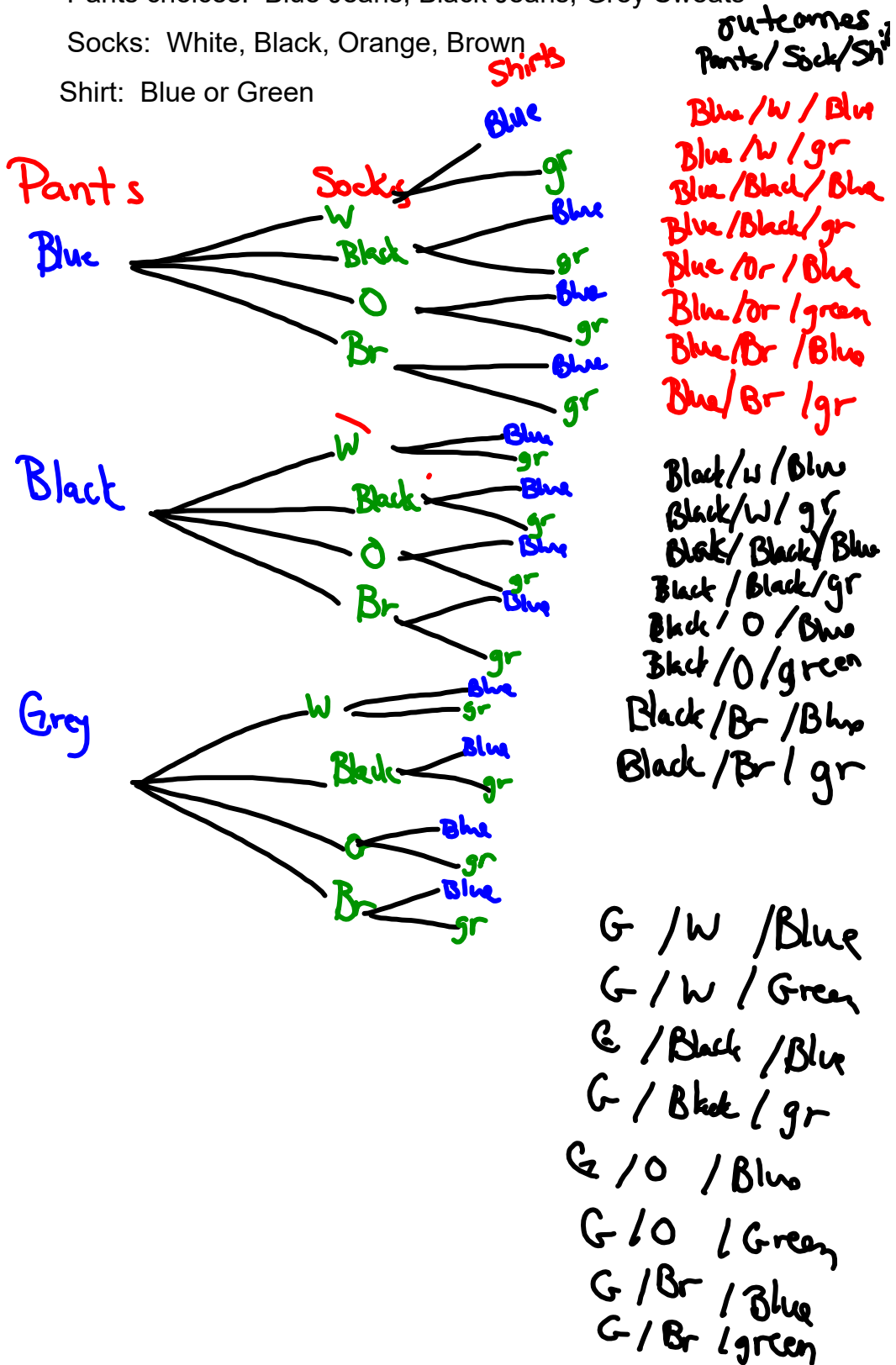


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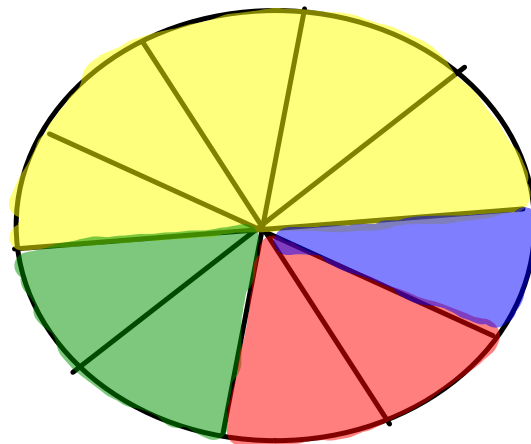
Shirt: Blue or Green



Pg 283

7. Red $\frac{1}{5}$

Yellow 50%

Blue $\frac{1}{10}$ Green $\frac{2}{10}$ $\frac{2}{10}$ $\frac{6}{10}$ $\frac{1}{10}$ $\frac{2}{10}$ 

10 equal sections

I make each color an equivalent fraction out of 10, then divide the spinner into 10 equal sections.

8. 7 candies remaining
2 red, 2 green, 3 white

$$\text{Prob (red)} = \frac{2}{7}$$

$$\text{Prob (green)} = \frac{2}{7}$$

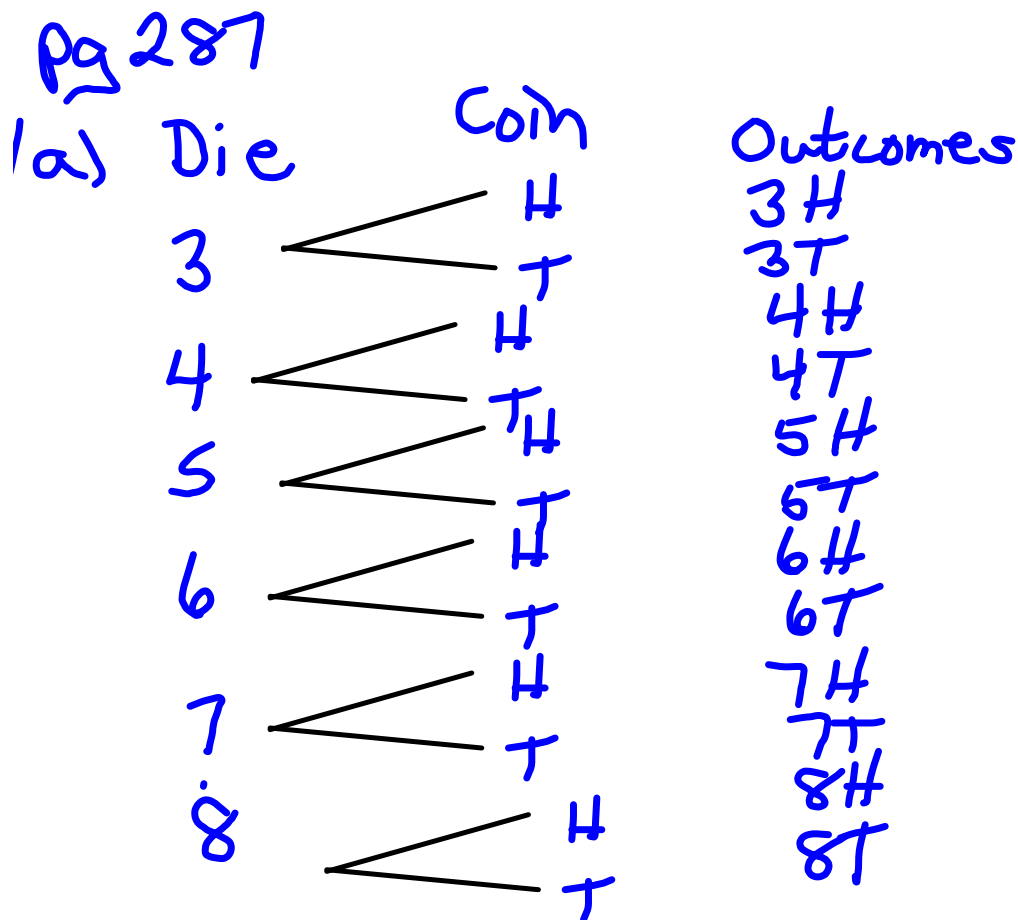
$$\text{Prob (white)} = \frac{3}{7}$$

$$c) \text{ Prob (not red)} = \frac{5}{7}$$

$$\text{Prob (not green)} = \frac{5}{7}$$

$$\text{Prob (not white)} = \frac{4}{7}$$

Reflect



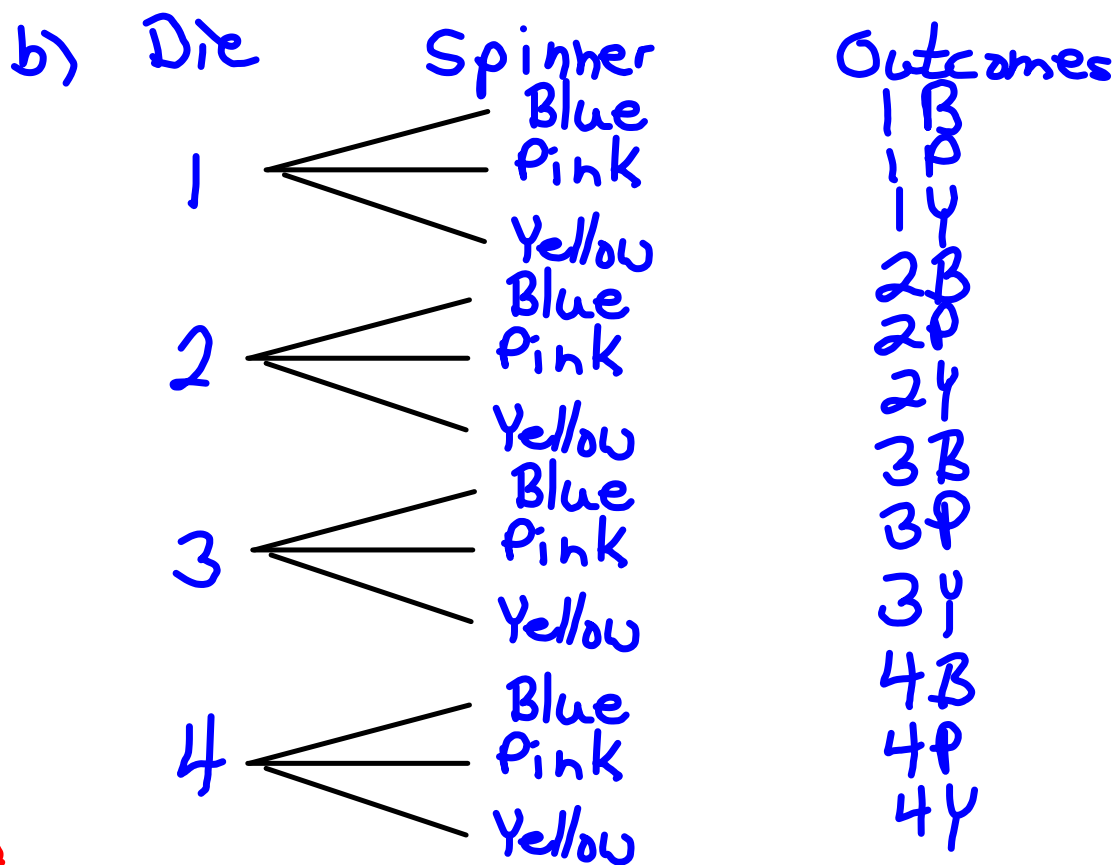
2. Prob (odd^{or}, heads) $\frac{9}{12}$

Aseca

Prob (less than 6) $\frac{4}{12}$

Roberto

Aseca is more likely to win.



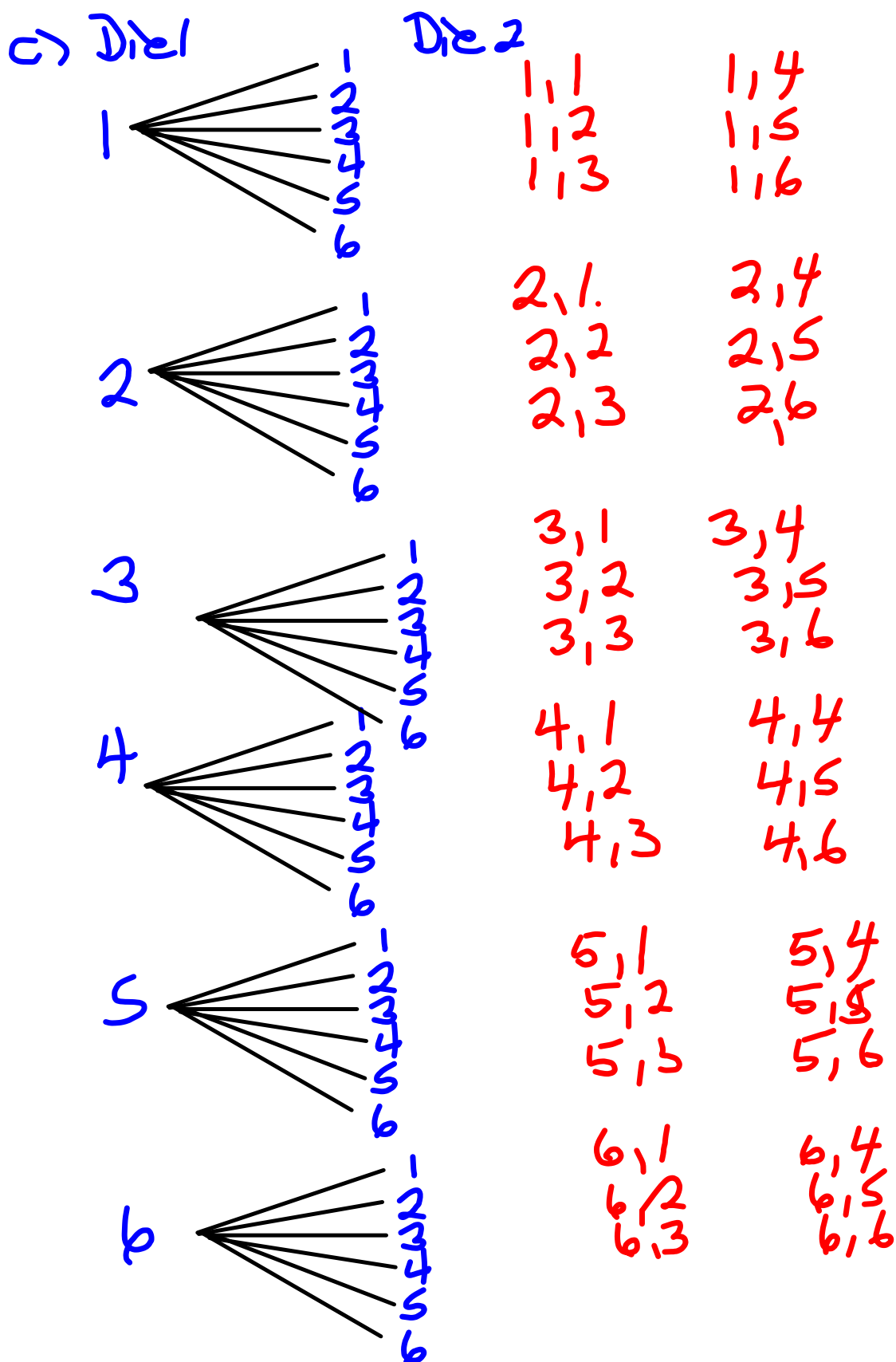
3

$$\text{Prob} (\quad) = \frac{1}{2}$$

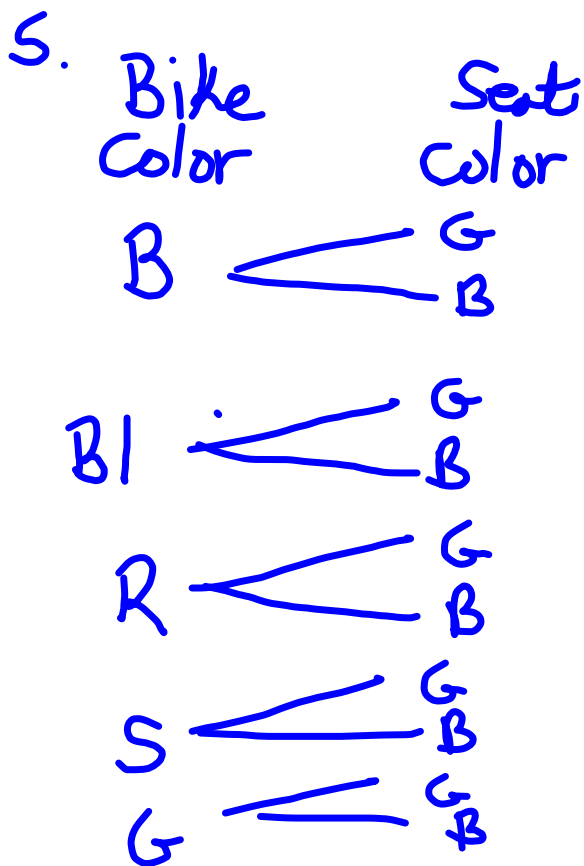
→ rolling one or two

→ even

→ odd



$$4. \text{ Prob (both } > 4) = \frac{4}{36}$$

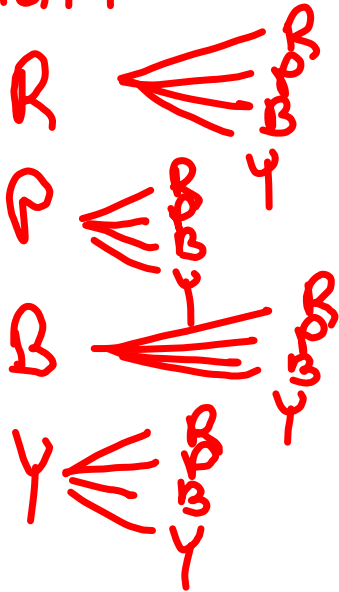


B-Black Bl-Blue
 Outcomes
 B, G
 B, B
 Bl, G
 Bl, B
 R, G
 R, B
 S, G
 S, B
 G, G
 G, B

b) Prob(Silver & Black with Grey Seat)
 $= \frac{2}{10}$

6. Roll Tetrahedron twice

Roll 1 Roll 2



16 possible
outcomes

2 ways to make
green

$$\frac{2}{16}$$

Tetrahedron and Spinner

$4 \times 5 \Rightarrow 20$ possible outcome

$$\frac{2}{20}$$

Spinner

$5 \times 5 \Rightarrow 25$ possible outcomes

B \rightarrow Y

Y \rightarrow B

$$\frac{2}{25}$$

Best Chance of Winning
with rolling 2 tetrahedron die.

Class/Homework

Extra Practice 6 # 1 c,d, 2, 3(d,e)

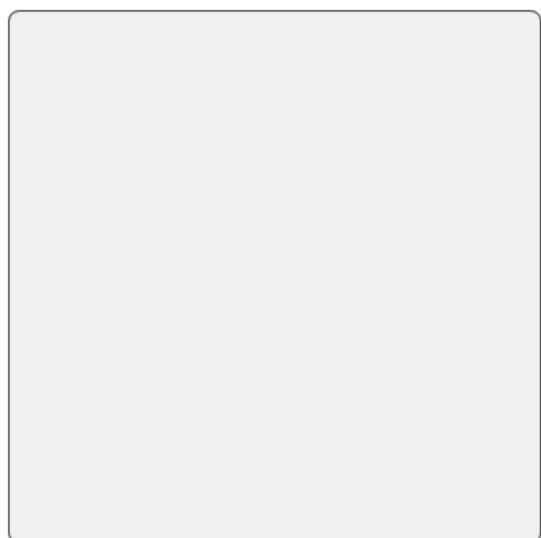
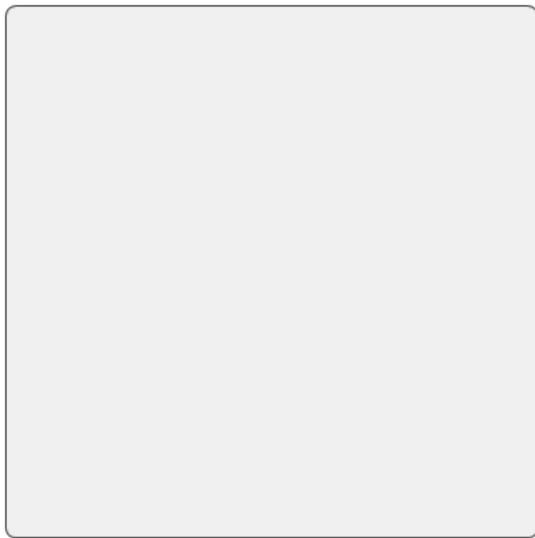
Spinner A

Spinner B



pg. 292 # 1-4

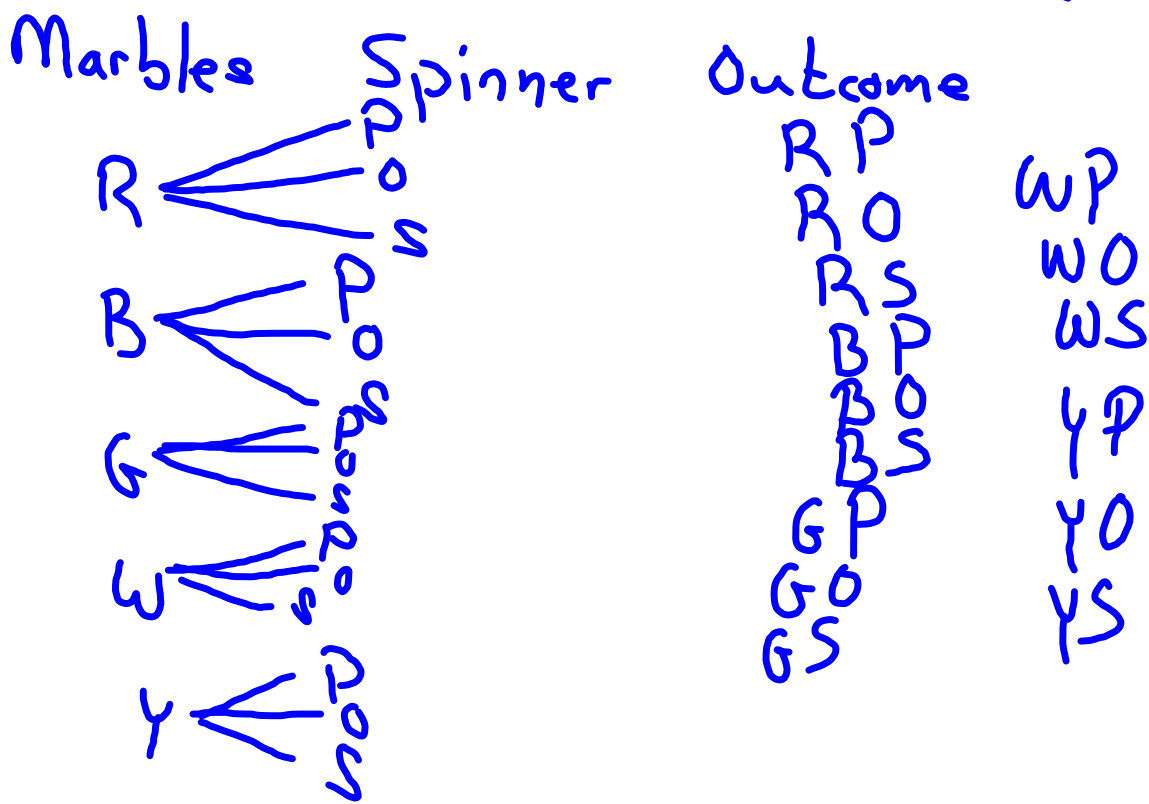
Unit 7 Data Analysis Test 2 days time



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- Trial 1 - 4 orange
- Trial 2 - 8 orange
- Trial 3 - 5 orange
- Trial 4 - 6 orange
- Trial 5 - 3 orange

Marbles in bag - Red, Blue, Green, White, Yellow
 Spinner - 3 equal Pieces → Pink, Orange, Silver



Attachments

Extra Practice 6 tree.pdf