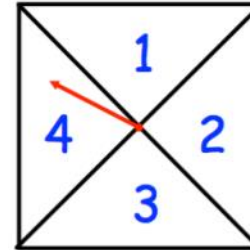


Tuesday, April 30, 2019

• Warm-up

- Jared is playing a game with a fair four sectioned spinner and a fair coin.
- He spins the spinner and flips the coin.
- If the coin lands on heads, his score is one more than the number on the spinner.
- If the coin lands on tails, his score is the number of the spinner doubled.
- Complete the table to show the sample space for total points.



• Probability Stations

		Spinner			
		1	2	3	4
Coin	Heads	2	3	4	5
	Tails	2	4	6	8

Objectives

Content: I will use the definition of probability in game situations.

Social: I will participate in the class activities.

Language: I will use the following vocabulary **probability**, **favorable outcome**, **total outcomes** and **replacement** in my reading, writing and speaking.

More With Probability

Find the following probabilities

$$P(4) = \frac{2}{8} = \frac{1}{4}$$

$$P(5 \text{ or more}) = \frac{3}{8}$$

$$P(\text{a spin of 2 and 3}) = \frac{0}{8} = 0$$

$$P(\text{a spin of 2 or 3}) = \frac{2}{4} = \frac{1}{2}$$

$$P(2 \text{ scores of 8 in a row}) = \frac{1}{8} \times \frac{1}{8} = \frac{1}{64}$$

x (multiply)

		Spinner			
		1	2	3	4
Coin	Heads	2	3	4	5
	Tails	2	4	6	8

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Fraction Review

When + and - fractions - MUST have common denominator

$$A. \frac{3}{5} + \frac{-1}{3} =$$

$$\frac{9}{15} + \frac{-5}{15} = \frac{4}{15}$$

$$B. \frac{5}{6} + \frac{4}{5} =$$

$$\frac{25}{30} + \frac{24}{30} = \frac{49}{30} = 1 \frac{19}{30}$$

$$C. \frac{1}{1} - \frac{1}{16} =$$

$$\frac{16}{16} - \frac{1}{16} = \frac{15}{16}$$

$$D. \frac{2}{5} = \frac{6}{15}$$

$$\frac{3}{10}$$

$$E. \frac{3}{8} \cdot \left(-\frac{3}{16}\right) = -\frac{9}{128}$$

$$F. -\frac{4}{36} \cdot \left(-\frac{4}{9}\right) = +\frac{16}{324}$$

Improper
Mixed Number

Multiply "straight" across

Objectives

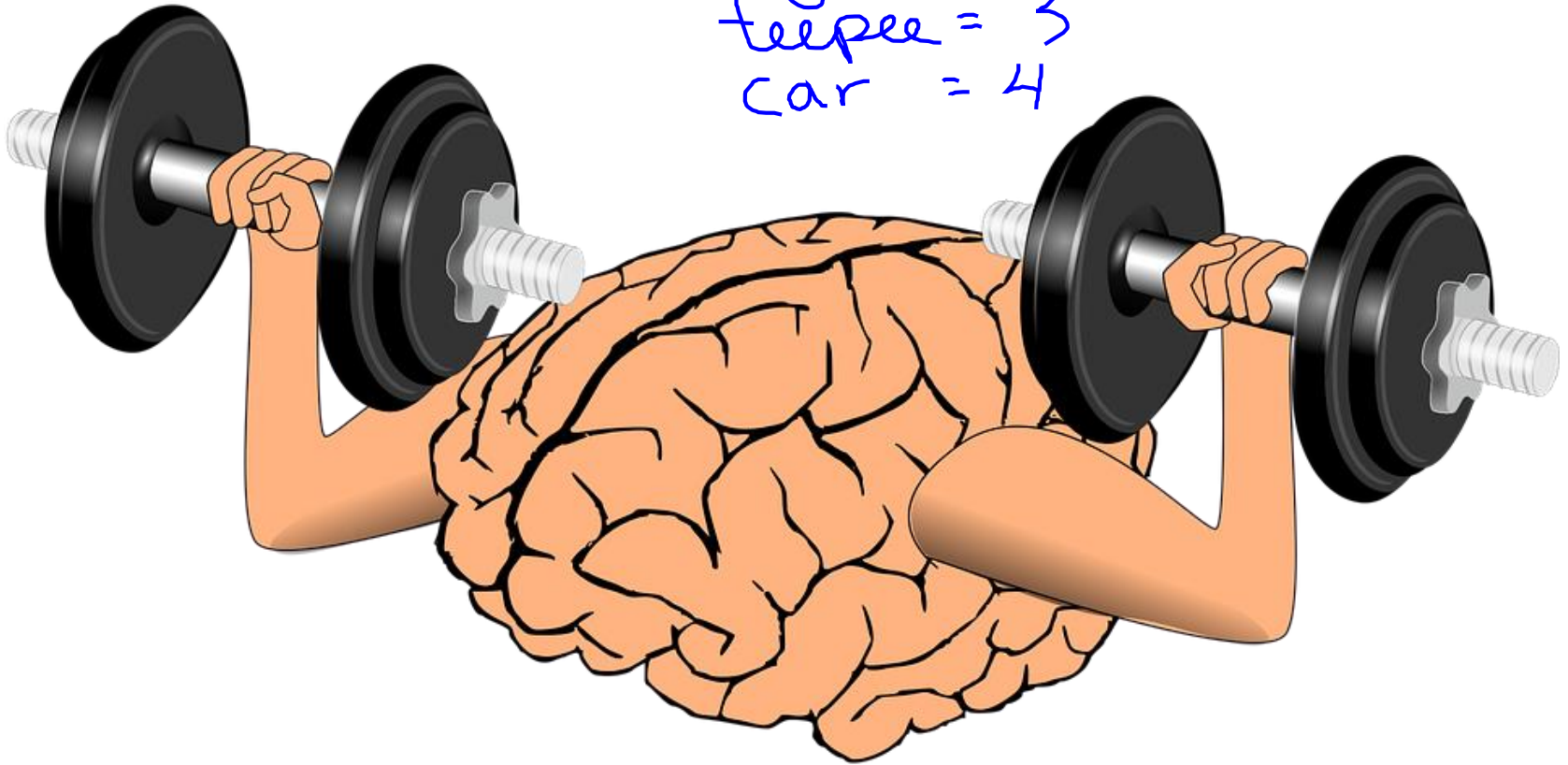
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Brain Break

Solo = by yourself = 1
bicycle = 2 people
teepee = 3
car = 4



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Probability Stations

“
Spinners
1, 5
”

“
Dice
4, 8
”

“
2, 6
Cards
”

“
3, 7
Marbles
(blocks)
”

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Exit Slip

A box contains 5 black and some green balls. If two balls are drawn from the box at random, and the probability that both the balls are green is $\frac{1}{6}$, how many green balls are in the box? [With calculator]

- (A) 3
- (B) 4
- (C) 5
- (D) 6

Draw a picture

Figure out probability of "not green"

Figure out how many there are total

Figure out how many are green

Choose your answer

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