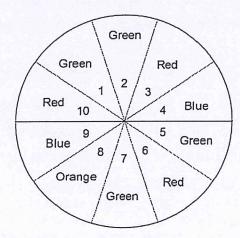
Bellwork Alg 2 Thursday, May 30, 2019

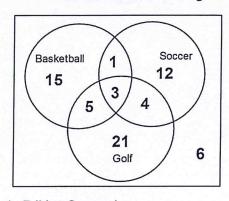
1. Use the spinner below to find each probability. Give answer as a fraction without reducing.



- a) P(Green or Odd)
- b) P(Multiple of 3 and Red)

c) P(Factor of 24 or Blue)

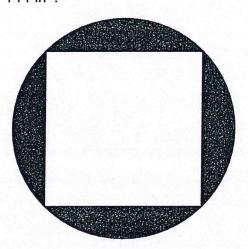
- d) P(Prime and Orange)
- e) P(Odd and Red)
- 2. Use the information in the Venn Diagram about sports people participate in to answer each probability as a fraction without reducing.



- a) P(Basketball and Soccer)
- b) P(Golf)

c) P(Not Soccer)

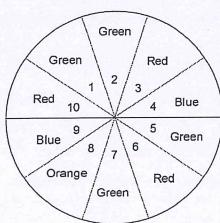
- d) P(Golf or Soccer)
- e) P(Basketball but not Golf)
- 3. A square is inscribed in a circle. Find the probability that a randomly chosen point in the circle lies in the shaded region. Give answer as a percent rounded to the nearest hundredth. The area of the square is 144 in².



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AnswERS

1. Use the spinner below to find each probability. Give answer as a fraction without reducing.

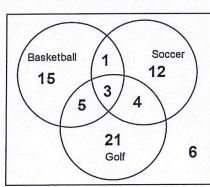


$$=\frac{6}{10}$$

a) P(Green or Odd) b) P(Multiple of 3 and Red) = $\frac{2}{12}$

- c) P(Factor of 24 or Blue) $=\frac{7}{10}$ d) P(Prime and Orange) $=\frac{6}{10}$ e) P(Odd and Red)

2. Use the information in the Venn Diagram about sports people participate in to answer each probability as a fraction without reducing.

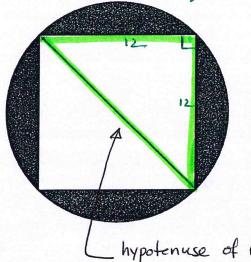


TOTAL = 67

b) P(Golf) $= \frac{33}{67}$

- c) P(Not Soccer) 47
- d) P(Golf or Soccer) 46
 = 127
- e) P(Basketball but not Golf) = 16

3. A square is inscribed in a circle. Find the probability that a randomly chosen point in the circle lies in the shaded region. Give answer as a percent rounded to the nearest hundredth. The area of the sqauare is 144 in². side of the square = V144 = 12



D = Area of Circle - Area of Sig.

Area of Circle

$$= \frac{\pi (6/2)^2 - 144}{\pi (6/2)^2} = \frac{72\pi - 144}{72\pi}$$

$$= \frac{36.34\%}{}$$

- hypotenuse of RTA and diametr of the arde
- 12 hypot of

 X = 12 12 + 45'-45'-90'

 RTA

 d = 12 12 -> 15-65