2-6-22   Math   2018   December BOS

56)   [1-20]   [1-20]   [1-20]   [1-20]   [1-20]

100 cards total

$P(\text{blue}) = 20/100$
$P(17) = 5/100$

$P(\text{blue OR } 17) = 24/100$

because one card is blue AND 17
so → 25 - 1

58, 53, 52, 48, 46, 47

46) $c + b = 2700$ Write up instructions
      $.15c + .18b = 441$ 2nd Matrix

      $b = 1200$

$$\begin{bmatrix} 1 & 0 & \vdots & 1500 \\ 0 & 1 & \vdots & 1200 \end{bmatrix}$$ → bottles

4f) $2\pi = 360°$

conversion $2\pi + \theta = ?$
factors $\dfrac{\pi}{180°}$ $\dfrac{180°}{\pi}$ $360° + \theta$

                                   θ 0°/360°
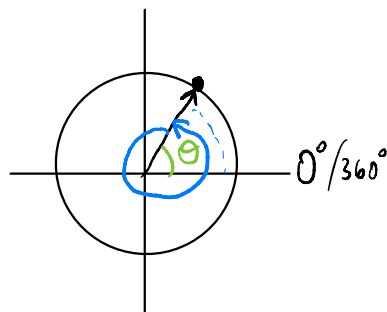
$\sin(2\pi + \theta) = \theta$
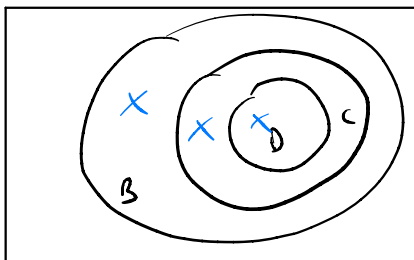$\theta + 360°k = \theta$ whenever k is an integer
                            $(k \in \mathbb{Z})$.

53) Subset

A

A - A

imaginary

Whole numbers

Integers

Real numbers

Complex numbers