We would expect to
get 30

Decanse we are using
3 out of the 10 numbers
30 out of 100

6.2 Probability

The spinner is called Experimental Probability

$$P_{(1,0,10)} = \frac{\text{favorable outcomes}}{\text{total trials}}$$

$$P_{(1,0,10)} = \frac{31}{100}$$

Theoretical Probability

"What we expect to happen"

$$P_{(1,10,10)} = \frac{\text{favorable result}}{\text{total possible results}}$$
 $= \frac{3}{10} = 30\%$

$$P(1,4,10) = 30\%$$

$$P(100+1,4,10) = 100 - 30 = 70\%$$

$$P(100+400) = 50\%$$

$$P(100+400) = 30\%$$

$$P(1000+400) = 30\%$$

$$P(1000+400) = 60\%$$