

Simplify $\sqrt{32}$

$$\sqrt{16} \times \sqrt{2}$$

$$4\sqrt{2}$$

Ashley takes two cubes out of a bag, **without** replacement. There are 5 red, 3 blue and 2 green cubes.

What is the probability he picks two red cubes?

$$P(RR) = \frac{5}{10} \times \frac{4}{9} = \frac{20}{90}$$

$$\frac{2}{9}$$

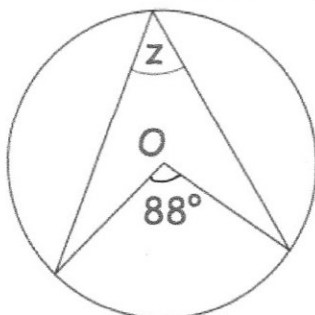
A number is increased by 40%
The answer is decreased by 40%.

Is the final number smaller, the same as or larger than the starting number?

What is the overall percentage change?

$$100 \times 1.4 \times 0.6 = 84$$

16% decrease



Find z

$$88 \div 2 = 44^\circ$$

A biased coin is flipped three times.

The probability of the coin landing on tails is 0.8

Find the probability the coin lands on heads all three times.



$$0.2 \times 0.2 \times 0.2$$

$$= 0.008$$