15th March

Simplify \( \sqrt{32} \)

Ashley takes two cubes out of a bag, with replacement. There are 5 red, 3 blue and 2 green cubes.

What is the probability he picks two red cubes?

A number is increased by 10%.
The answer is decreased by 10%.

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

What is the overall percentage change?

Find \( z \)

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.