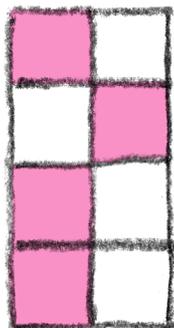


Calculating Percentages

Q: What percentage of the squares in this shape are pink?



Step 1 Count how many squares there are in TOTAL. Then count how many squares are PINK. Write that as a fraction, with the total on the bottom.

$$\frac{4}{8}$$

← Pink squares
← Total squares

Step 2 Remember, the whole amount of any shape is 100% so our goal is to make the bottom of our fraction 100. We need to turn our fraction into an equivalent fraction whose denominator is 100!

DO THIS FIRST!

$$\frac{4}{8} = \frac{?}{100}$$

$8 \times 12.5 = 100$

Wait! How did we get from 8 to 100? To figure out what we need to multiply 8 by to get 100, we simply divide 100 by 8!
 $100 \div 8 = 12.5$ so 12.5 is our magic number.

DO THIS SECOND!

Now what we did to the bottom we have to do to the top, so multiply 4 by 12.5 too.

$$\frac{4}{8} = \frac{50}{100}$$

$4 \times 12.5 = 50$

Step 3 Stick a % sign in front of our new numerator, get rid of our denominator, and VOILA!

A: 50% of the squares in this shape are pink!

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