



Chance

Math

Name _____ Class _____ Date _____

If you toss a coin, there are two outcomes: _____ or _____.

YOU NEED
* coins

If you toss a coin **20** times, how many heads would you expect? _____

How many tails? _____

Why? _____



Toss a coin **20** times, write H or T to record the results of each toss.

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Did you get the results that you expected? _____

How were the results different to what you expected? _____

What chance is there of tossing heads next? _____

If you toss tails, is it more likely that your next toss would be heads? _____

Toss the coin **20** times again; before each toss, record your prediction of what the outcome might be.



PREVIEW

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Jarrod tried this experiment. Here are his results.



What color do you think he will draw next? _____

Why? _____

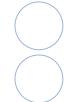
Put the counters back into the bag. If you drew two counters out at a time, what are the possible outcomes?

Draw counters out of the bag in twos.



Color the circles to record the results.

Predict the next two colors.



Why did you predict these colors? _____

Was your prediction correct? _____



ANSWER KEY

If you toss a coin, there are two outcomes: heads or tails.

If you toss a coin **20** times, how many heads would you expect? _____
How many tails?

Why?



Toss a coin 20 times, write H or T to record the results of each toss.

Did you get the results that you expected? _____
How were the results different to what you expected? _____
What chance is there of tossing heads next? <u>50%</u>
If you toss tails, is it more likely that your next toss would be heads? <u>No</u>

Did you get the results that you expected?

How were the results different to what you expected?

What chance is there of tossing heads next? 50%

If you toss tails, is it more likely that your next toss would be heads? No

Toss the coin **20** times again; before each toss, record your prediction of what the outcome might be.



PREVIEW

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Jarrod tried this experiment. Here are his results.

What color do you think he will draw next?

Why?  



Put the counters back into the possible outcomes?
2 red, 2 blue, 1 red and 1 blue

Draw counters out of the bag in twos

Color the circles to record the results.



Predict the next two colors



Why did you predict these colors?

Was your prediction correct?