

Name _____

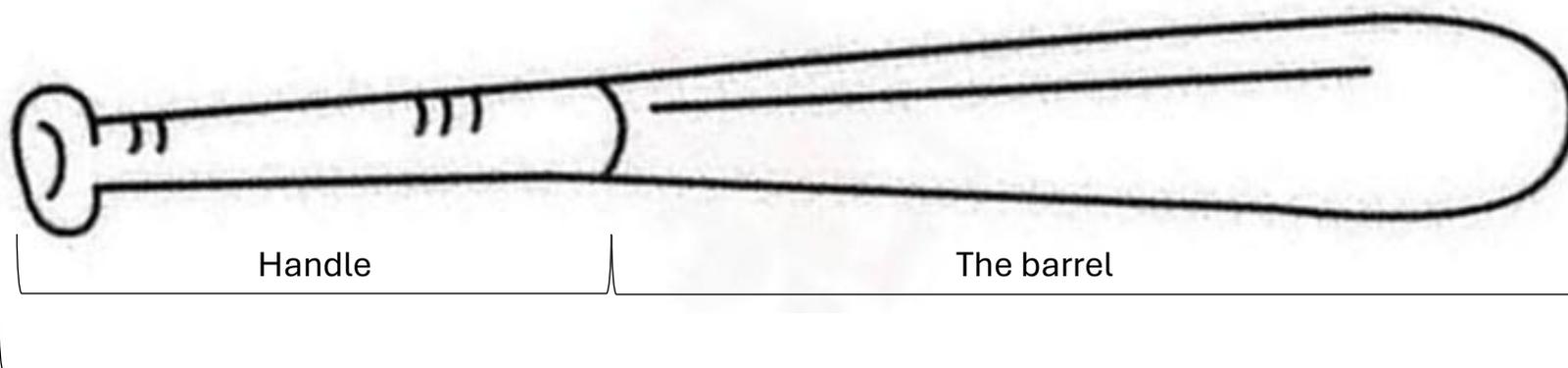


Force and Motion Journal

Can a batter increase their chances of getting on base or even hitting a homerun?

Plan your positions

Pick five locations to hit the ball with the barrel of the bat. Choose wisely these will be the locations you will test. Mark each location with a line and tell me what inch it is at on the barrel.

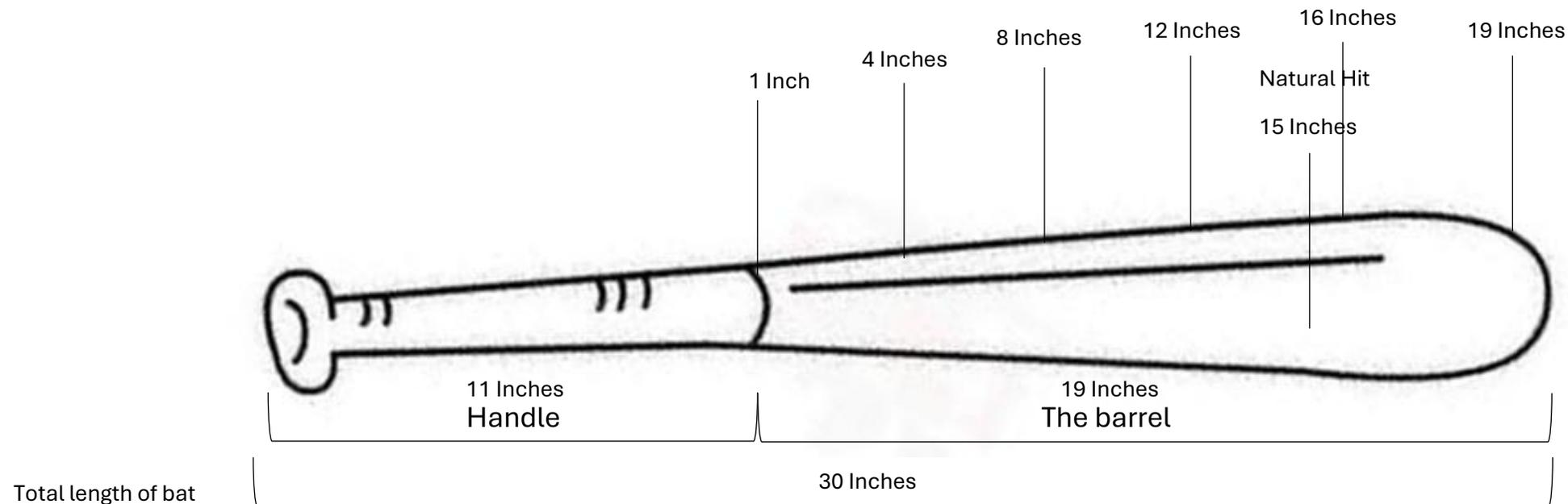


After marking your test spots on the bat, complete a hitting test to see where you *naturally* make contact with the ball. To do this, lightly coat the ball with chalk and hit it so the chalk mark shows exactly where it touched the bat. If the contact point is not already one of your marked test spots, add a new measurement to your bat and update your diagram.

I naturally hit the ball with the bat at _____ inches on the barrel.

Plan your positions (Teacher Example)

Pick five locations to hit the ball with the barrel of the bat. Choose wisely these will be the locations you will test. Mark each location with a line and tell me what inch it is at on the barrel.

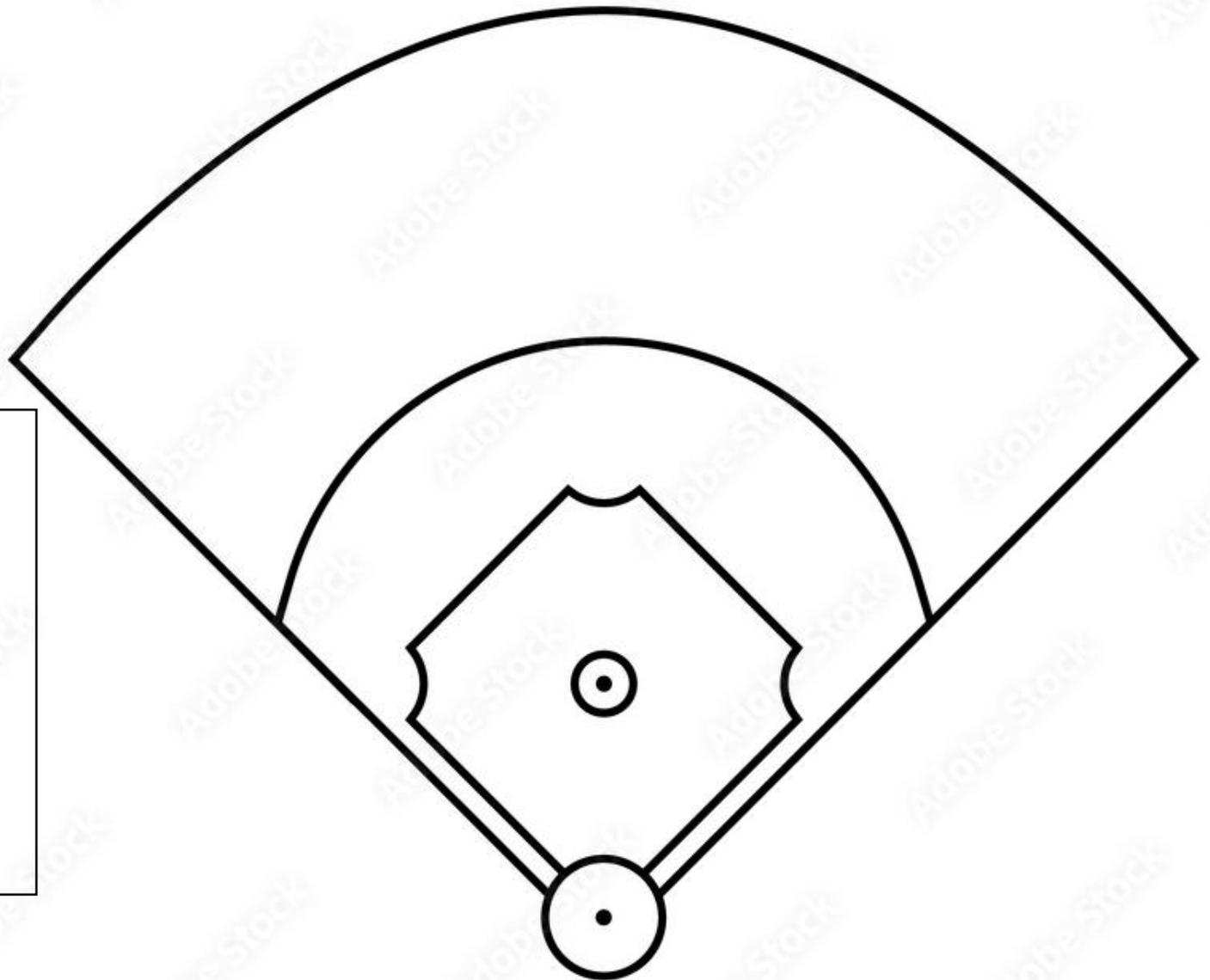


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I naturally hit the ball with the bat at 15 inches on the barrel.

Plot the points

Plot the points on the field where your ball landed. Make sure to indicate what spot the ball hit the bat next to each plot. Test the same position multiple times to see patterns emerge.



Color the marker for each inch
you recorded.

- _____ Inch Marker

Plot the Points (Teacher Example)

Plot the points on the field where your ball landed. Make sure to indicate what spot the ball hit the bat next to each plot. Test the same position multiple times to see patterns emerge.

Color the marker for each inch you recorded.

- 19 Inch Marker
- _____ Inch Marker
- _____ Inch Marker
- _____ Inch Marker
- _____ Inch Marker

