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## Science of Basketball

## GRADES 6-8

## Part 1

| \# of bounces | Trial 1 | Trial 2 | Trial 3 | Trial 4 | Trial 5 | Average |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48 inches | answer here | answer here | answer here | answer here | answer here | answer here |
| 24 inches | answer here | answer here | answer here | answer here | answer here | answer here |
|  |  |  |  |  |  |  |

## Part 2

| \# of bounces | Trial 1 | Trial 2 | Trial 3 | Trial 4 | Trial 5 | Average |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48 inches <br> Dropped | answer here | answer here | answer here | answer here | answer here | answer here |
| 48 inches Dribbled | answer here | answer here | answer here | answer here | answer here | answer here |
| 24 inches Dropped | answer here | answer here | answer here | answer here | answer here | answer here |
| 24 inches Dribbled | answer here | answer here | answer here | answer here | answer here | answer here |

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## Science of Basketball

## GRADES 6-8

## QUESTIONS:

1. How does dropping the ball and dribbling the ball change how Newton's Third Law is demonstrated? answer here
2. Make a hypothesis on how bouncing the ball on a harder surface would change the forces acting on the answer here

