

MRB1 Iniúchadh Turgnamhach Sínte

CBA

Intro
 This experiment is about the force of gravity and how different heights in which the ball is dropped at and affects how high the ball bounce.

Plan
 For this experiment we plan to drop a basketball from six different height to see how the affect how high the ball will bounce.

Describing method:

Step one - First thing we did was drop a basketball from the height of **200cm** and we did that 3 times with an average of **166cm**.

Step two - Next time we dropped it from **180cm** and we got the average of **150.3cm**.

Step three - For step three we dropped the ball from **160cm** and the average was **135cm**.

Step four - Step four we dropped it from **140cm** and the we got the average of **119cm**.

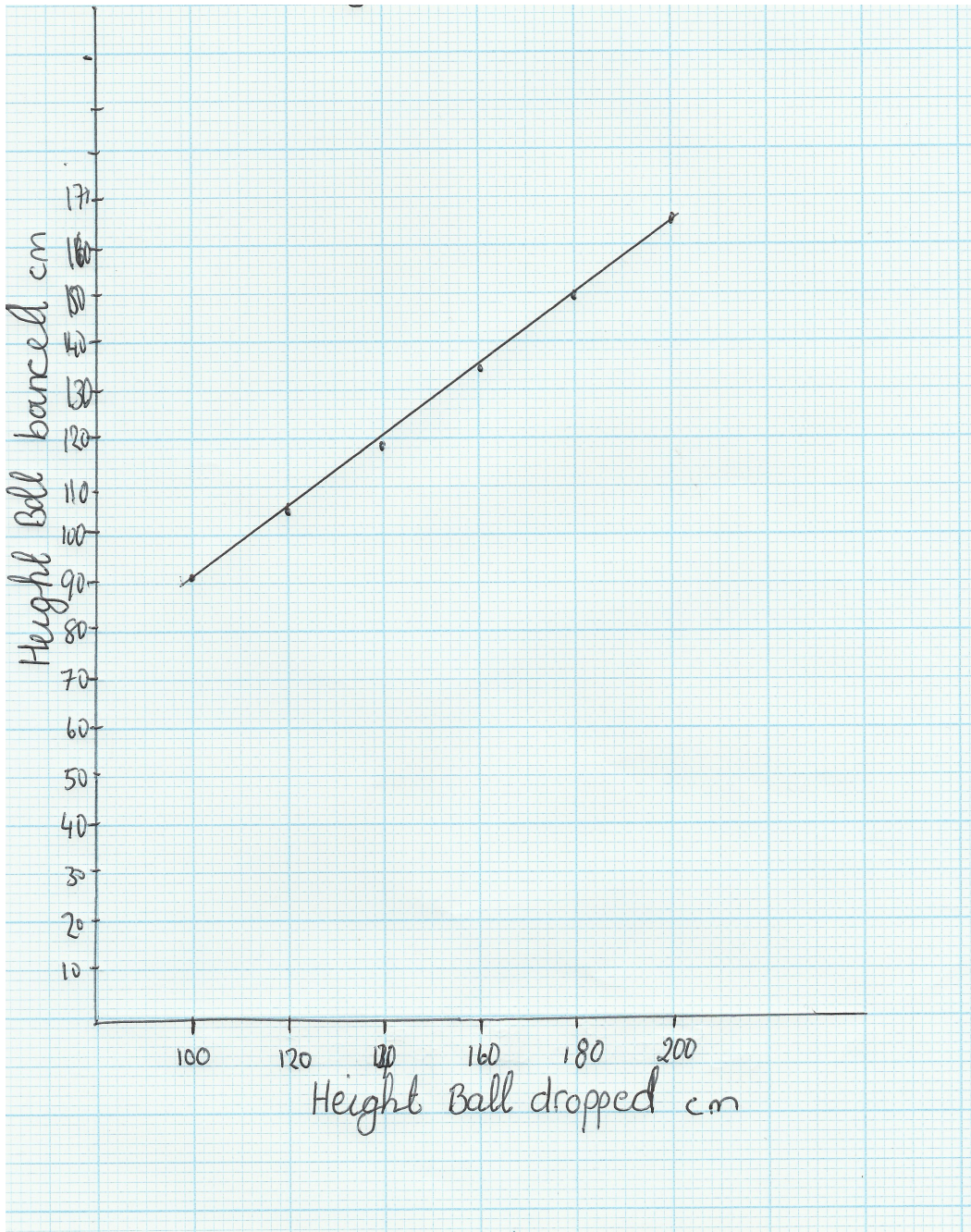
Step five - Next step we dropped from **120cm** and average was **105cm**.

Step six - For the last step, step six we got **100cm** and the average was **90.3cm**.

For our method of our experiment we used our iPad to video the basketball dropping and bouncing back.;

1. Luaitear modh ach tá cuid de na céimeanna doiléir agus tá easpa mionsonraí iontu.

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2. Áirítear an graf ó inné.

3. Tarraingítear graf de na torthaí.

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CBA - results

Height - 200cm	Basketball - 166, 167, 165
Average - 165cm	
Height - 180cm	Basketball - 153, 150, 148
Average - 150.3	
Height - 160	Basketball - 135, 136, 131
Average - 135	
Height - 140	Basketball - 118, 120, 119
Average - 119	
Height - 120	Basketball - 106, 105, 104
Average - 105	
Height - 100	Basketball - 89, 90, 92
Average - 90.3	

4. Taispeántar na sonraí go néata agus déantar na meáin a ríomh. Ní thugtar aonaid ach don chéad tacar sonraí.

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Variables

In this experiment the variables to change are different heights in which the ball is dropped and at and the height the ball bounces to.

Height Dropped	Averages for the height up the bounce
200 cm	1) 166 2) 90
180 cm	3) 150
160 cm	4) 135
140 cm	5) 119
120 cm	
100 cm	

In this experiment the variable to be measured is the basketball.

Variable relationship

In our experiment the variable relationship is the height the ball is dropped at or how high the ball bounces.

As you change the height of the ball dropping you also change the height in what the ball bounces to.

Safety consideration

- make sure the ball doesn't fly
- make sure the ball doesn't hit anybody or anything.

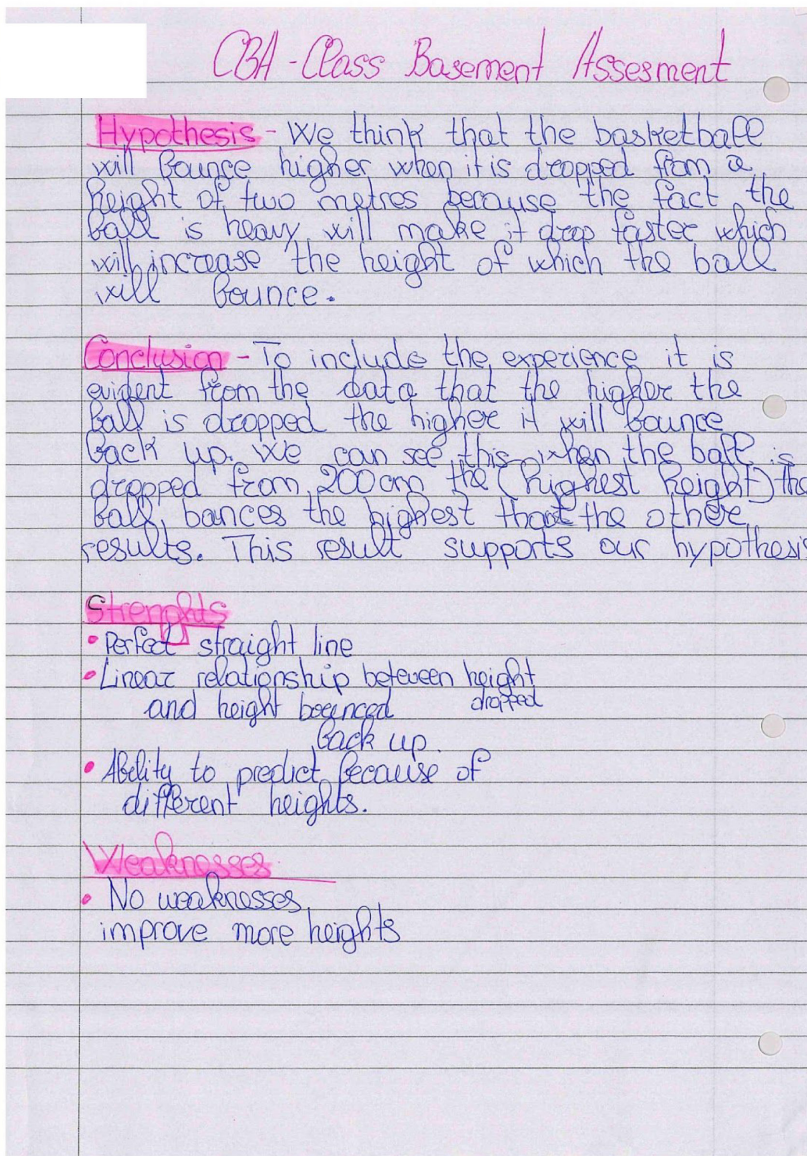
Equipment

- Road
- Basketball
- measuring scale

5. Saináithnítear cúinsí sábháilteachta nach mór a chur san áireamh sa ghníomhaíocht seo nach bhfuil mórán riosca léi.

6. Saináithnítear an athróg atá le hathrú.

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7. Sainithnítear láidreachtaí agus sainithníonn an scoláire go bhféadfaí airdí preabtha le haghaidh airdí eile a thuar ó na sonraí. Moltar feabhsuithe chun níos mó airdí a chur san áireamh.

8. Ceapann an scoláire hipitéis is féidir a thástáil agus cosnaítear í.

9. Baintear tatal as an taighde bunaithe ar na sonraí a bailíodh.

10. Déantar cur síos ar an ngaol atá idir na hathróna mar ghaol líneach.

Breithiúnas ar an iomlán:  Ag teacht leis na hionchais