

Rocket Catcher Challenge

Score Sheet

Name: _____

Date: _____

1. What was your rocket's **fall distance in centimeters**? _____

(If you measured in inches, multiply inches by 2.54 to convert to centimeters.)

2. Use the table below to calculate your **total materials cost**.

- Enter the quantity for each item used in your final design. Materials used for earlier prototypes do not count.
- You cannot use more than the maximum allowed quantity of each item.
- If you use any portion of a piece of paper, it counts as one whole sheet of paper. The same rule applies for all materials. Do not enter fractions or round quantities down.
- Add up all the subtotals to calculate your total materials cost.

Item	Maximum allowed	Number you used	x Points (each)	= Points subtotal
Paper (printer, construction, graph, or notebook; letter, A4, 9"x12", or 22x30 cm size)	40		3	
Cardboard (12"x12" or 30x30 cm sheet)	1		5	
String (any type up to 3 mm in diameter), rounded up to nearest meter length	10 meters		2 per meter	
Paper clips (any size up to 2" or 5 mm)	20		1	
Total materials cost				

3. Calculate your score using this equation:

$$\frac{\text{fall distance in centimeters}}{\text{total materials cost}} = \text{score}$$

4. Round your score to the nearest whole number. The score submission form will not accept decimals. A score of 57.5 would round up to 58. A score of 57.49 would round down to 57.

Final Score