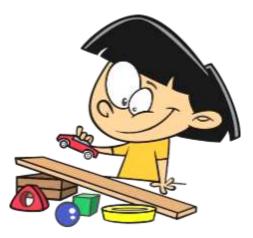


Gravity and friction

Grade 3 Science Worksheet

These kids are rolling a toy car down a ramp. They want to see how far it will roll on different surfaces. They recorded their data in a chart.

Surface	Distance
wood	4 feet
carpet	3 feet
tile	4.5 feet
grass	2.5 feet



Answer the questions.

What force ma Circle one:		roll down the ramp? gravity	
What force ma Circle one:		slow down and stop rolling? gravity	
Which surface had the most friction? How do you know?			
Which surface had the least friction? How do you know?			
5		oll a long way, would you choose	



<u>Answers</u>

Surface	Distance
wood	4 feet
carpet	3 feet
tile	4.5 feet
grass	2.5 feet



Answer the questions.

What force made the car roll down the ramp? Circle one: friction gravity
What force made the car slow down and stop rolling? Circle one: friction gravity
Which surface had the most friction? <u>carpet</u>
How do you know? <u>The car rolled the shortest distance</u> .
Which surface had the least friction? <u>tile</u> How do you know? <u>The car rolled the longest distance</u> .
How do you know? The callfolied the longest distance.
If you wanted the car to roll a long way, would you choose carpet or wood? <u>wood</u>
Why? <u>I know it has less friction because the car rolled farther</u> .