

Rolling marbles III

Will a marble roll further on a smooth or rough surface?

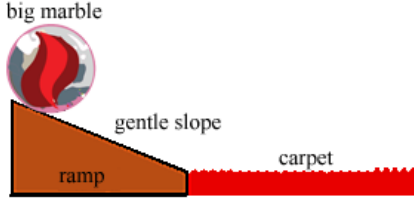
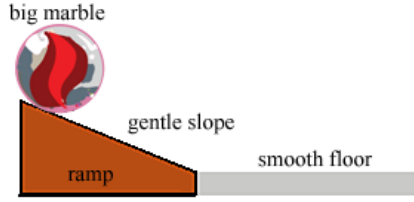
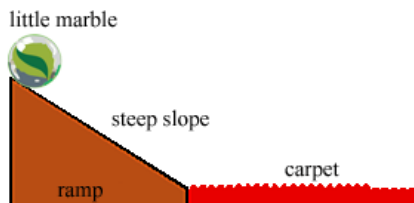
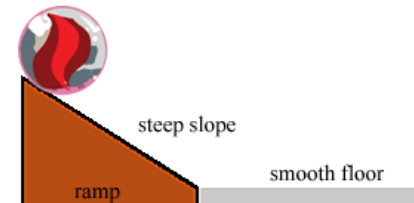
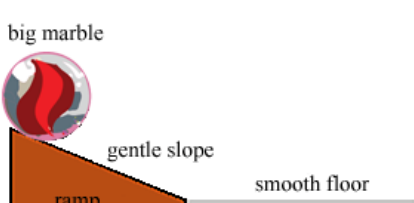
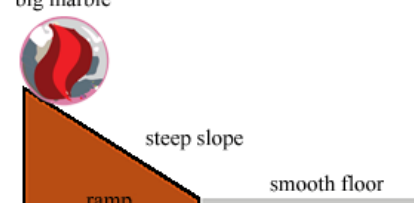


Your teacher will give you some cards.

Choose one card that shows how to plan a fair test to answer the question: **Will a marble roll further on a carpet or a smooth floor?**

You will need to think about what has to stay the same, and what will need to change.

- Show your teacher the card you have chosen.
- Tell your teacher why you chose this card, and why you didn't choose the other ones.

Cut into 4 cards.

<p>A</p> <p>big marble</p>  <p>gentle slope</p> <p>carpet</p> <p>ramp</p>	<p>big marble</p>  <p>gentle slope</p> <p>smooth floor</p> <p>ramp</p>
<p>B</p> <p>little marble</p>  <p>steep slope</p> <p>carpet</p> <p>ramp</p>	<p>big marble</p>  <p>steep slope</p> <p>smooth floor</p> <p>ramp</p>
<p>C</p> <p>big marble</p>  <p>gentle slope</p> <p>smooth floor</p> <p>ramp</p>	<p>big marble</p>  <p>steep slope</p> <p>smooth floor</p> <p>ramp</p>
<p>D</p> <p>little marble</p>  <p>gentle slope</p> <p>carpet</p> <p>ramp</p>	<p>big marble</p>  <p>gentle slope</p> <p>carpet</p> <p>ramp</p>