

Reflection Activities

A: Pool Bounce

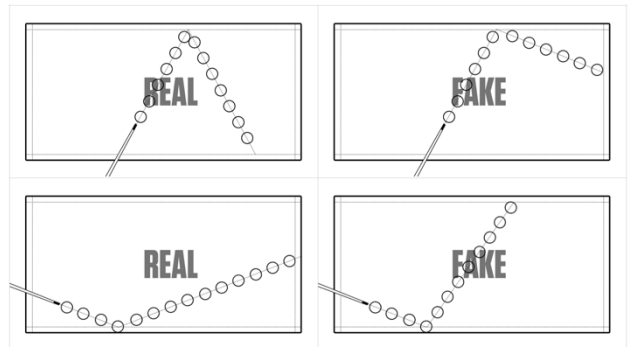
Sports & activities such as billiards (pool) also rely on the law of reflection.

1. Watch the 8 pool shots in this [video](https://vimeo.com/175320724): <https://vimeo.com/175320724>. Then make your best **estimates** in the table below. Which part of the cushion will the ball hit? A, B, or C? You may need to watch it a second time. No pausing the video.

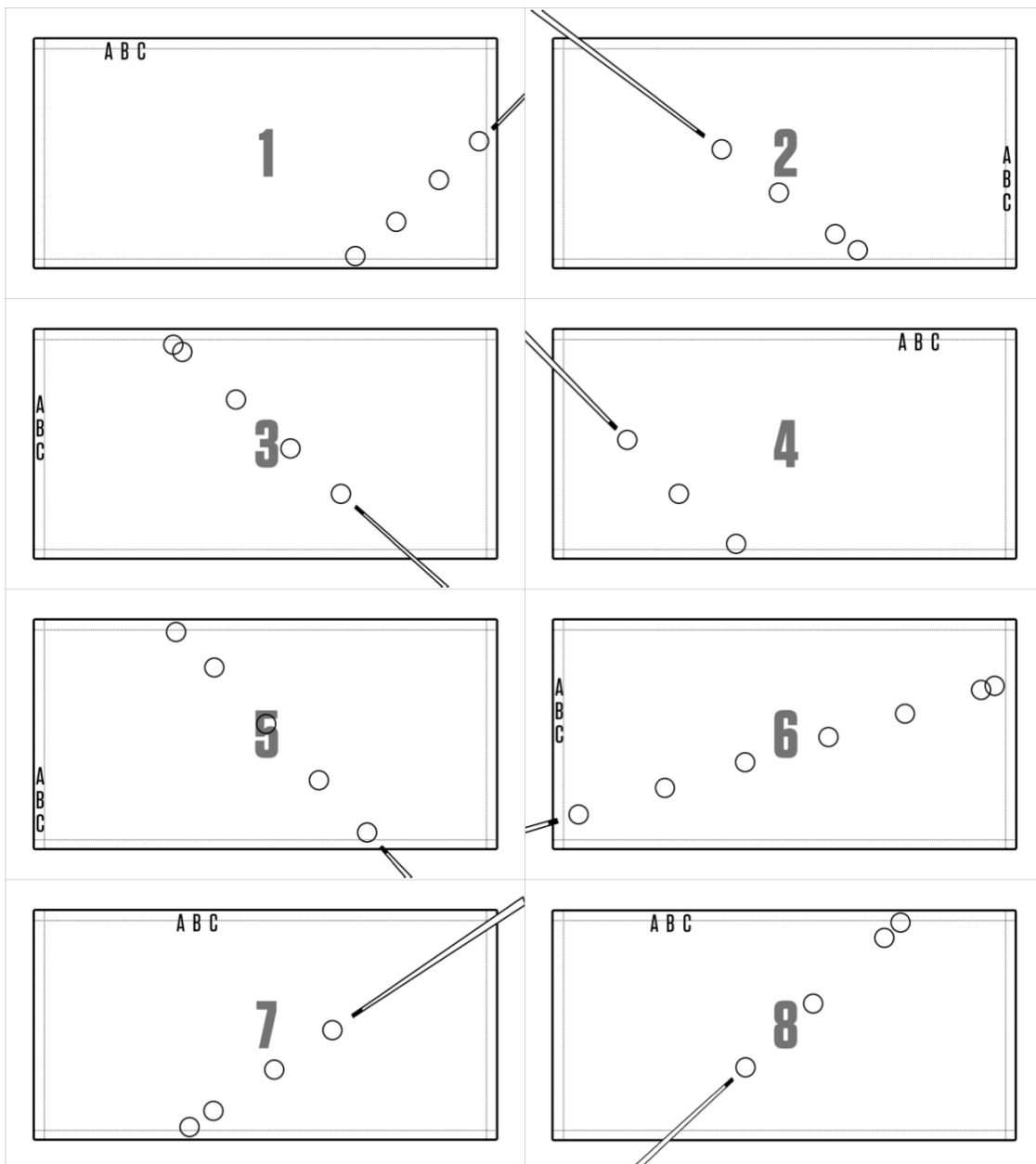
Shot #	Estimate	Calculate	Verify
1			
2			
3			
4			
5			
6			
7			
8			
# correct			

2. Look at the “real” & “fake” pool shots in the image.

If you didn’t already know which pool shots were real and fake, how could you tell the difference?



3. Use what you now know about the law of reflection to calculate the part of the cushion the ball will hit. Write those answers in the “Calculate” column. Draw the incident ray, normal, reflected ray & label angles for all shots.



4. Watch the second [video: https://vimeo.com/175323778](https://vimeo.com/175323778) to verify your answers. How accurate were you?

B: Textbook p. 486 TRY THIS: Retro-Reflectors

If you cannot access the online textbook, there is a link to this activity is on loreescience.ca

Drawing

Questions:

A.

B.

C.

C: Laser Maze

Play the [laser maze game](https://www.beano.com/games/lazer-maze): <https://www.beano.com/games/lazer-maze> for 10 minutes.

Get as far as you can in that time. Screen shot & upload your progress into OneNote

