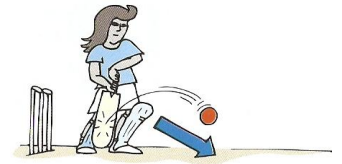
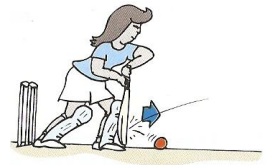
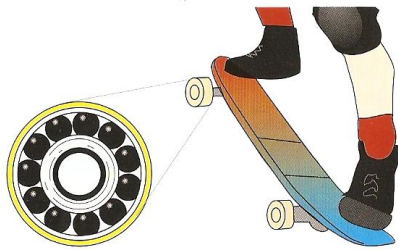


Interpreting Diagrams

The illustrations (drawings, diagrams, cartoons, photos) in a textbook are just as important as the text itself.



1. Look at the cartoon on the right.
 - a. The dark arrows represent forces. What do they show?
 - b. In which of the three cartoons is the hitting force the greatest? How do you know?
2. Look at the figure of the skateboard.



- a. What does the circular part on the left of the diagram represent?
- b. Why are the ball bearings drawn separately instead of inside the wheel?

3. Do a sketch in the box below to show how the ancient Egyptians were able to move the huge stone blocks needed to make the pyramids by putting logs under them to reduce friction. Write a caption for your sketch.



Caption:

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3. Using the diagram of the human hip answer the following questions.
 - a. Explain how your hip works when we work
 - b. Where slide over each other at it is important to reduce Because of this there is a fluid between them to make them more easily.

