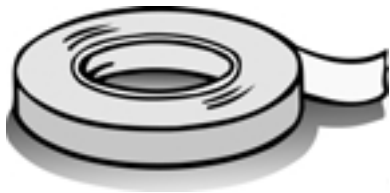


Pushing Objects

WHAT YOU NEED



masking tape



paper



wood block



pencil



paper clips

Find Out

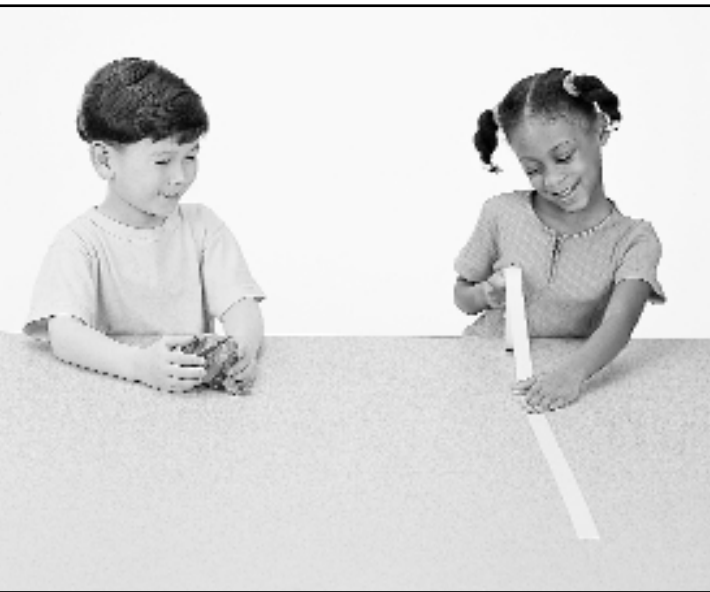
Do this activity to see how objects move differently.

Process Skills

Observing
Predicting
Measuring
Communicating

Time

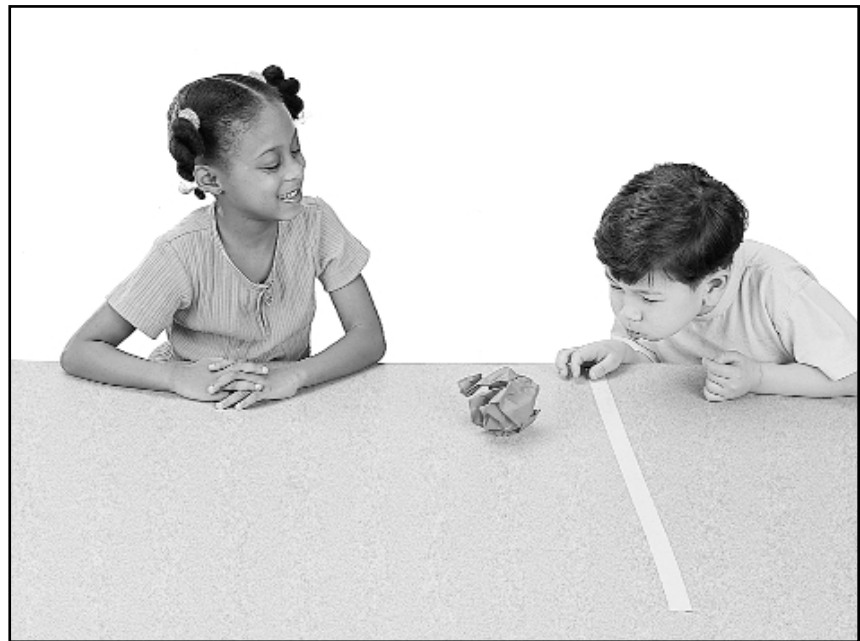
- 1 hour to get started
- 10 minutes a day for two weeks



WHAT TO DO

1. Use a piece of tape to mark the start.
2. **Look** at the paper, the wood block, and the pencil. **Predict** which one will go the farthest when you blow it.
3. Put the crumpled paper at the start. Blow on it.
4. Use a chain of paper clips to **measure** how far it went.

5. **Record** on your chart.
6. Do the same with the wood block and pencil.
7. **Record** on your chart.
8. Each day, choose a new object. **Predict** how far it will move. **Record** on your chart.



Object Name	Draw the Object	How far did it move?
paper		
wood block		
pencil		

Student data will vary.

Conclusions

1. Which object moved the farthest?
How do you know?

Answers will vary based on the items tested. The lightest object (in weight) will

move the farthest.

2. Which object moved the least? Why?

Answers will vary based on the items tested. The heaviest object will

move the least.

New Questions

1. How could you make the objects move farther by blowing?

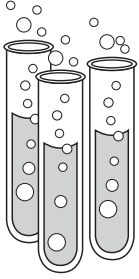
by blowing harder

2. Write a question you still have about how things move.

Accept all reasonable questions.



Name _____



ACTIVITY

Big Push, Little Push

Predict which push will move the block farther. Circle your answer.

little push

big push

Little Push

How far did the block move?

Write how many paper clips. _____

Color how many paper clips.



Answers will vary depending on the strength of the push or the length of the paper clips.

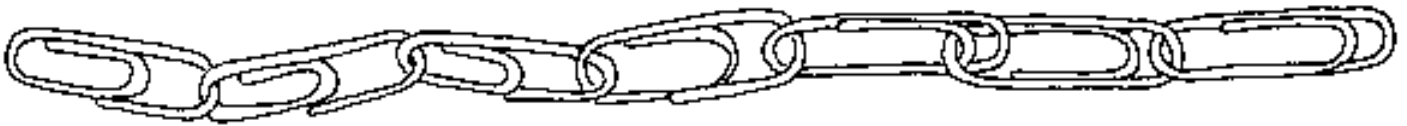
Name _____

Big Push

How far did the block move?

Write how many paper clips. _____

Color how many paper clips.



Answers will vary depending on the strength of the push or the length of the paper clips, but should indicate more paper clips than the first picture.

Which push moved the block farther?

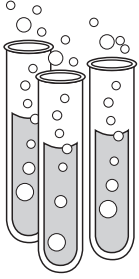
Circle your answer.

little push

big push

big push

Name _____

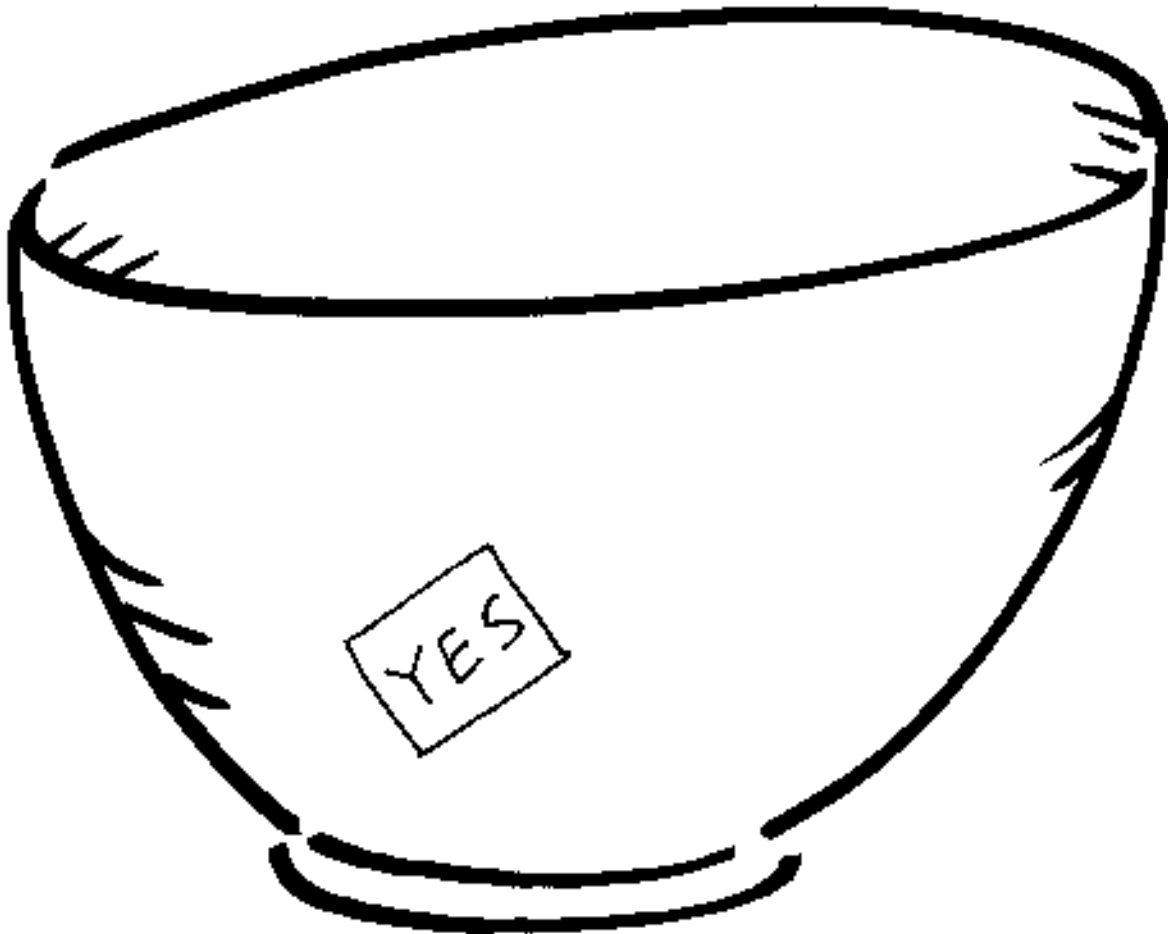


ACTIVITY

Using Magnets

Predict which things the magnet will attract.

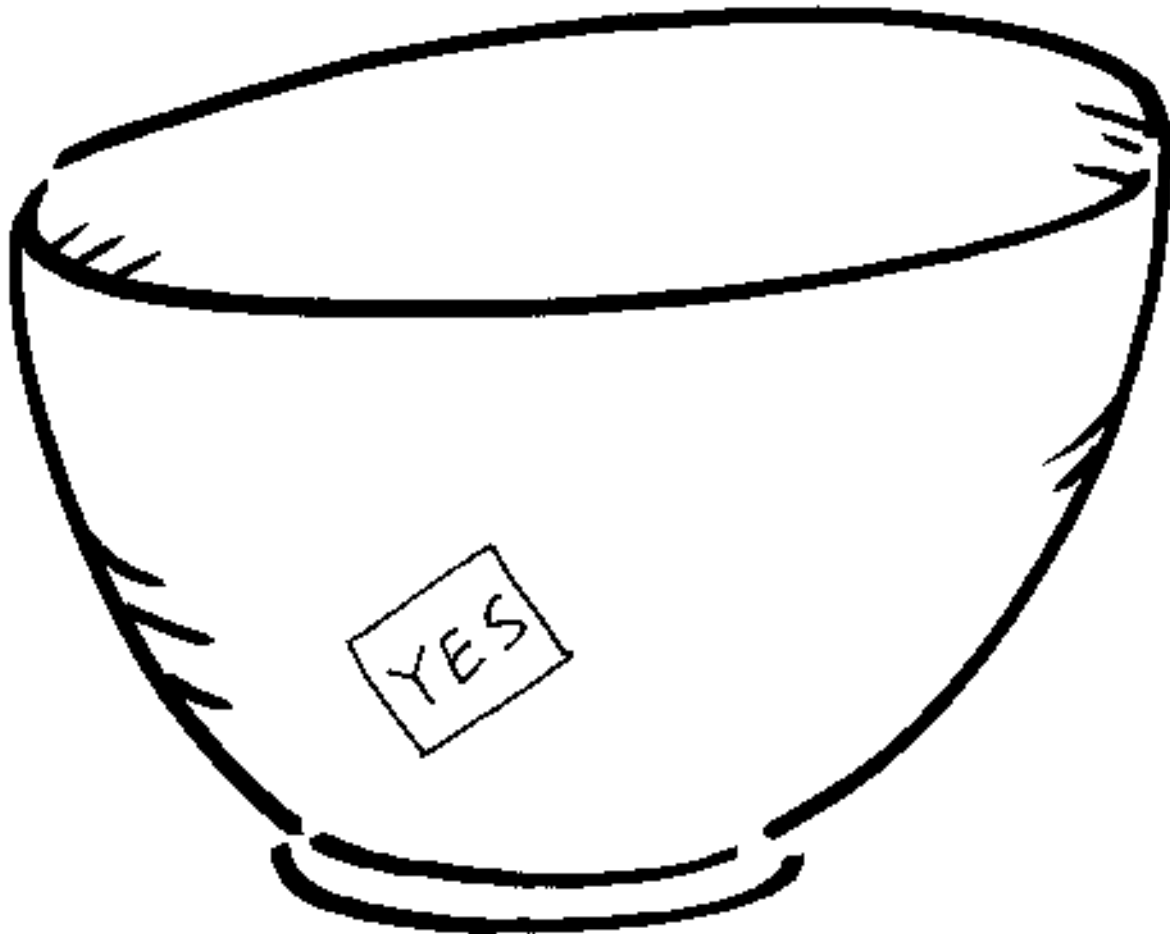
Draw them in the “Yes” bowl.



Accept all reasonable predictions.

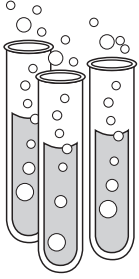
Name _____

Draw the things the magnet attracts.



Answers will vary based on items tested. Student drawings should show those items attracted by the magnet.

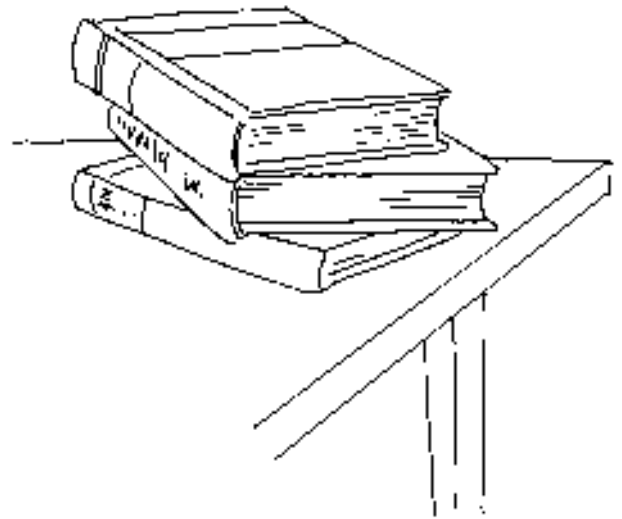
Name _____



ACTIVITY

Using a Machine

Can you lift the books with one finger?

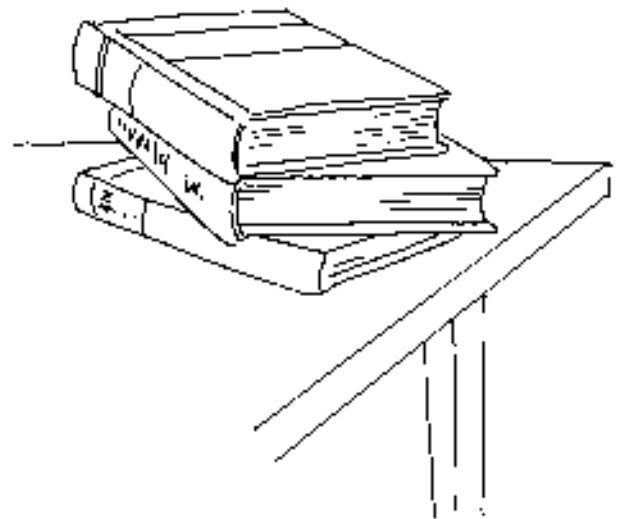


Yes

No

Answers will vary based on student differences.

Can you lift the books with two fingers?



Yes

No

Answers will vary based on student differences.

Activity Journal

Lesson 3 • Making Work Easier

Name _____

Draw an arrow by the ruler to show which way your teacher pushed the ruler. Arrow points down.

Draw an arrow by the books to show which way the books moved. Arrow points up.

