



According to a legend, a shepherd discovered magnets 4,000 years ago.

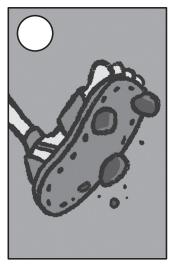
One day, the shepherd Magnes was walking in a region of Greece called Magnesia. He sat down and looked at his sandals.

He had metal nails in his sandals. The sandals kept sticking to the rocks where he was walking.

The metal end of the shepherd's hook also stuck to the rocks.

The rocks that stuck to metal were naturally occurring magnets called **lodestones**.

Read the legend. Then number the pictures in order.









Is the legend true?

No one knows for sure. Some say the story took place in India instead of Greece. But finding rocks that could stick to sandals started some creative thinking and new inventions that have used magnets for thousands of years.

Standards Link: Reading: Recount stories including legends.

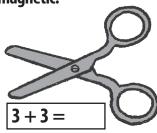
Invisible Power: Magnetism

You can't see the force that pulls certain kinds of metal towards a magnet. But it is a force in nature, like gravity is a natural force, that we can't see.

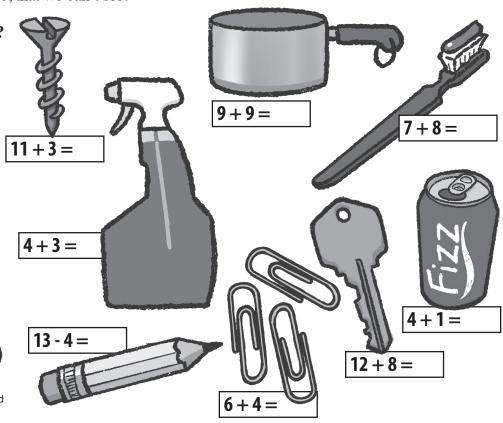
What do magnets attract? Metals such as iron, nickel and cobalt are attracted to magnets. Other materials such as aluminum, glass, plastic and wood aren't

Do the math to see which of these items are attracted to magnets. If the answer is an even number, that means it's magnetic.

attracted to magnets.



Standards Link: Science: Understand the interaction between magnets and magnetic materials.



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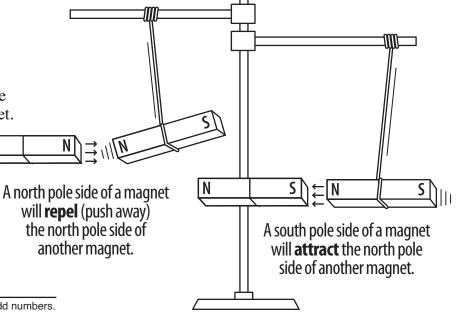
Magnets Push and Pull

We usually think of magnetic force attracting options towards a magnet.

But magnets can also **repel** or push away objects. This is because magnets have a **north pole** and **south pole**.

In short, opposite poles **attract**, and the same poles **repel**.

Standards Link: Math: Recognize even and odd numbers.

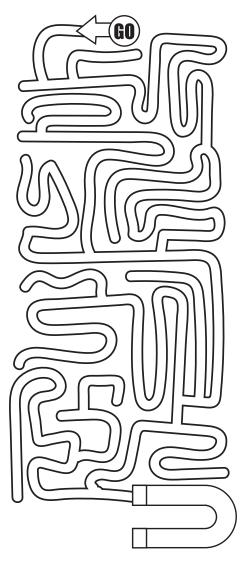


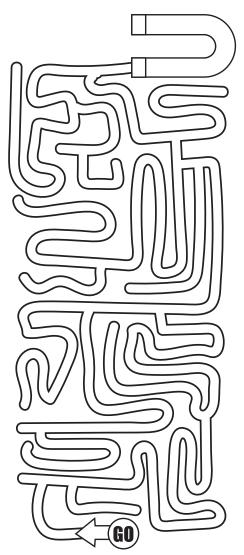




Magnet Maze

Race a family member to see who can get to the magnet first!





Tell a Story

Select a photograph in the newspaper. What do you think happened BEFORE the photo was taken. What do you think happened AFTER the photograph was taken? Write a story about what is happening in the photograph and what happened before and after.

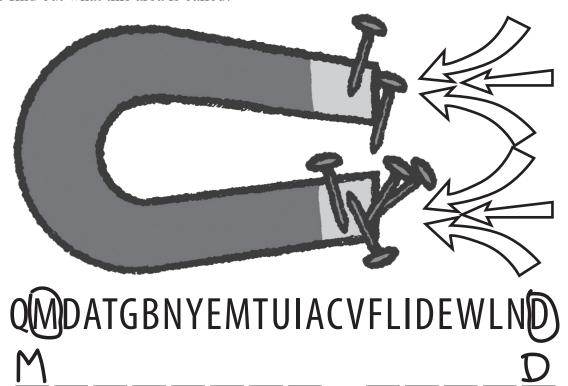
Standards Link: Writing: Write about imagined experiences or events.



Puzzler



There is an invisible area around a magnet where its pulling force can be felt. Circle every other letter to find out what this area is called.



Standards Link: Science: Understand magnetic forces and earth's magnetic field.

VOCABULARY BUILDERS

REPEL

The verb **repel** means to force back or push away.

My raincoat was able to **repel** water and keep my clothes dry.

Try to use the word **repel** in a sentence today when talking with your friends and family members.

What did the car say to the magnety The reserve to the contraction of the contraction of

ANSWER: "Stick with me





| What i | if one of your hands suddenly became a magnet. Tell about your life with a magnet han |
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| | Fun Words |
| | rough the newspaper for five words that are new to you. Look up each word in a dictionate the definition of each. Can you draw a picture that also shows the meaning of each? |
| | |



Kid Scoop Jumbo Word Search

Find the words by looking up, down, backwards, forwards, sideways and diagonally. Then see how many of these words you can find in today's newspaper.

ATTRACT

AWAY

FORCE

HOOK

IRON

METAL

NATURE

POLE

PUSH

REPEL

STONES

STORY

STUCK

WOOD

YEARS

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Standards Link: Letter sequencing. Recognized identical words. Skim and scan reading. Recall spelling patterns.



Answers

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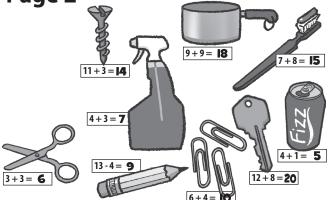




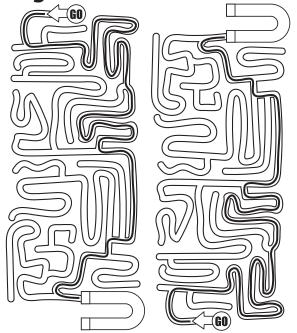




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Puzzler Magnetic field

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