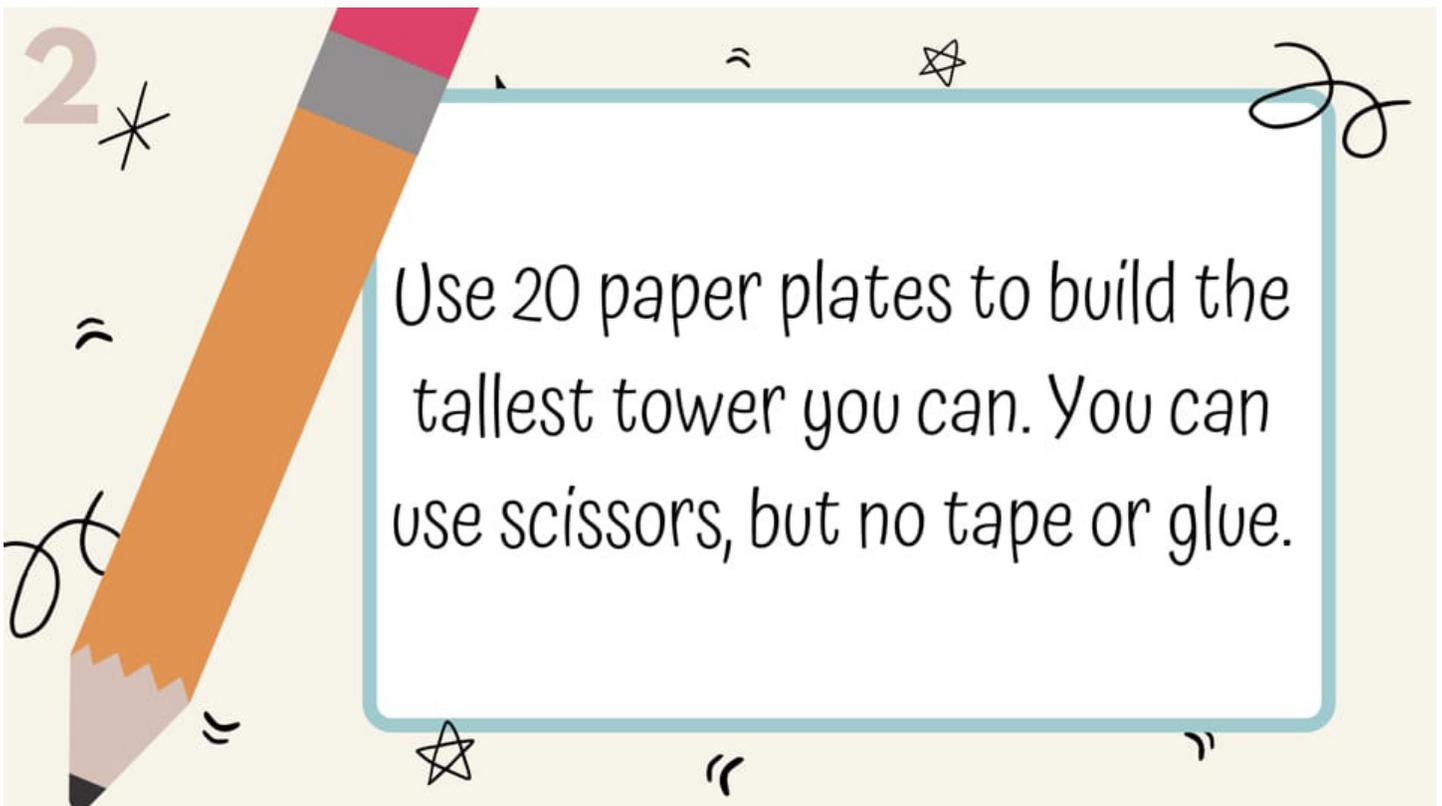


1

Design and build a paper airplane that flies the furthest possible distance.

Shared from WeAreTeachers.com

#1

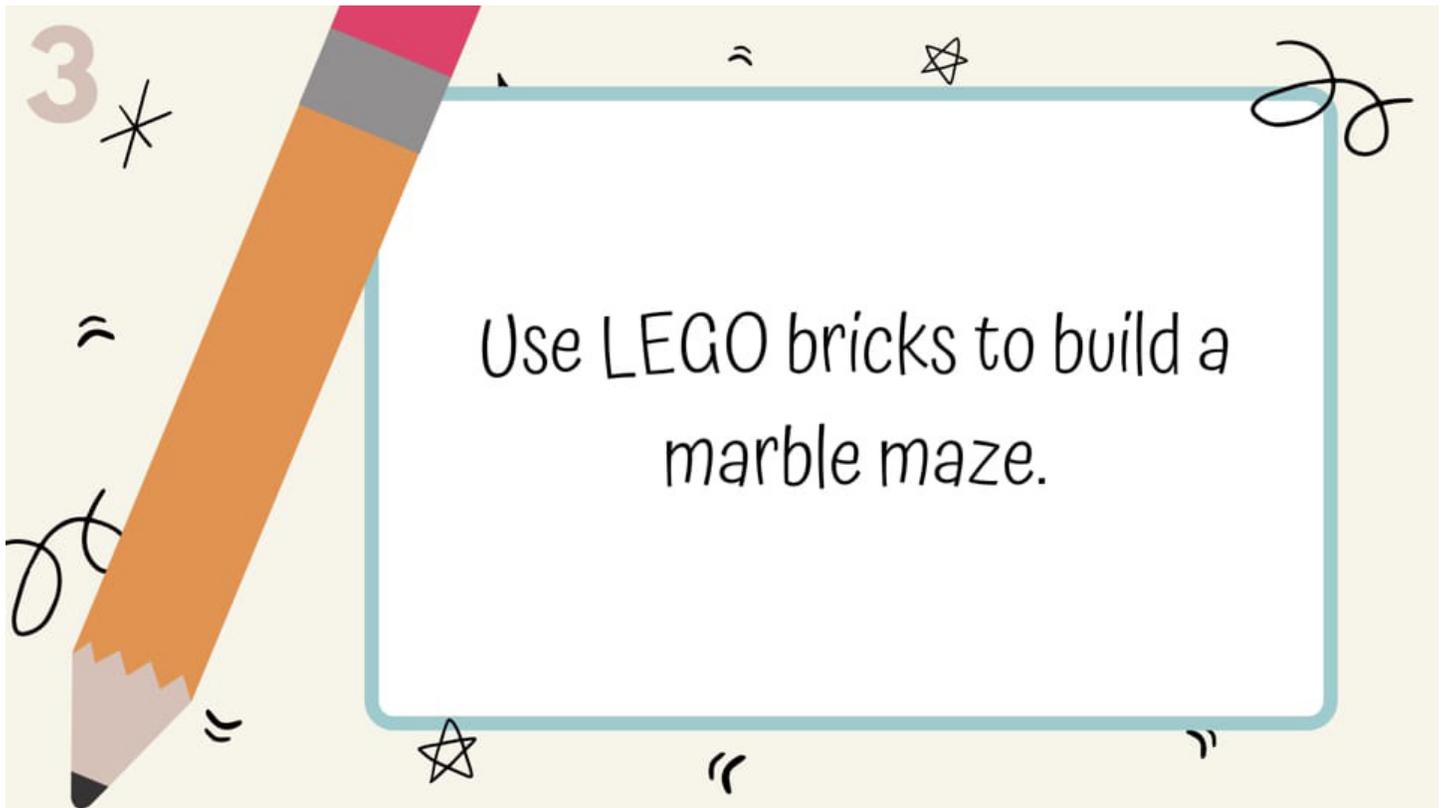


2

Use 20 paper plates to build the tallest tower you can. You can use scissors, but no tape or glue.

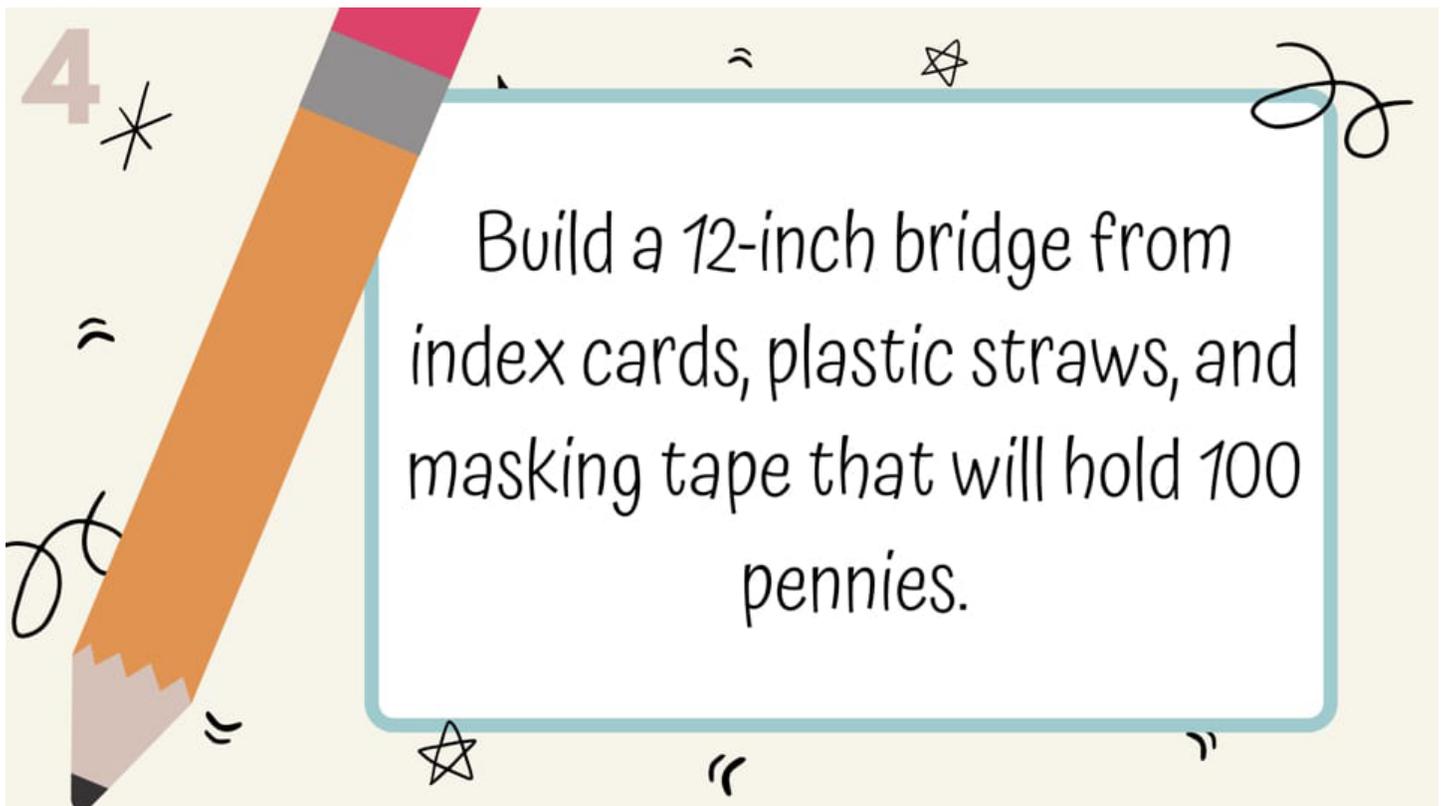
Shared from WeAreTeachers.com

#2



Shared from WeAreTeachers.com

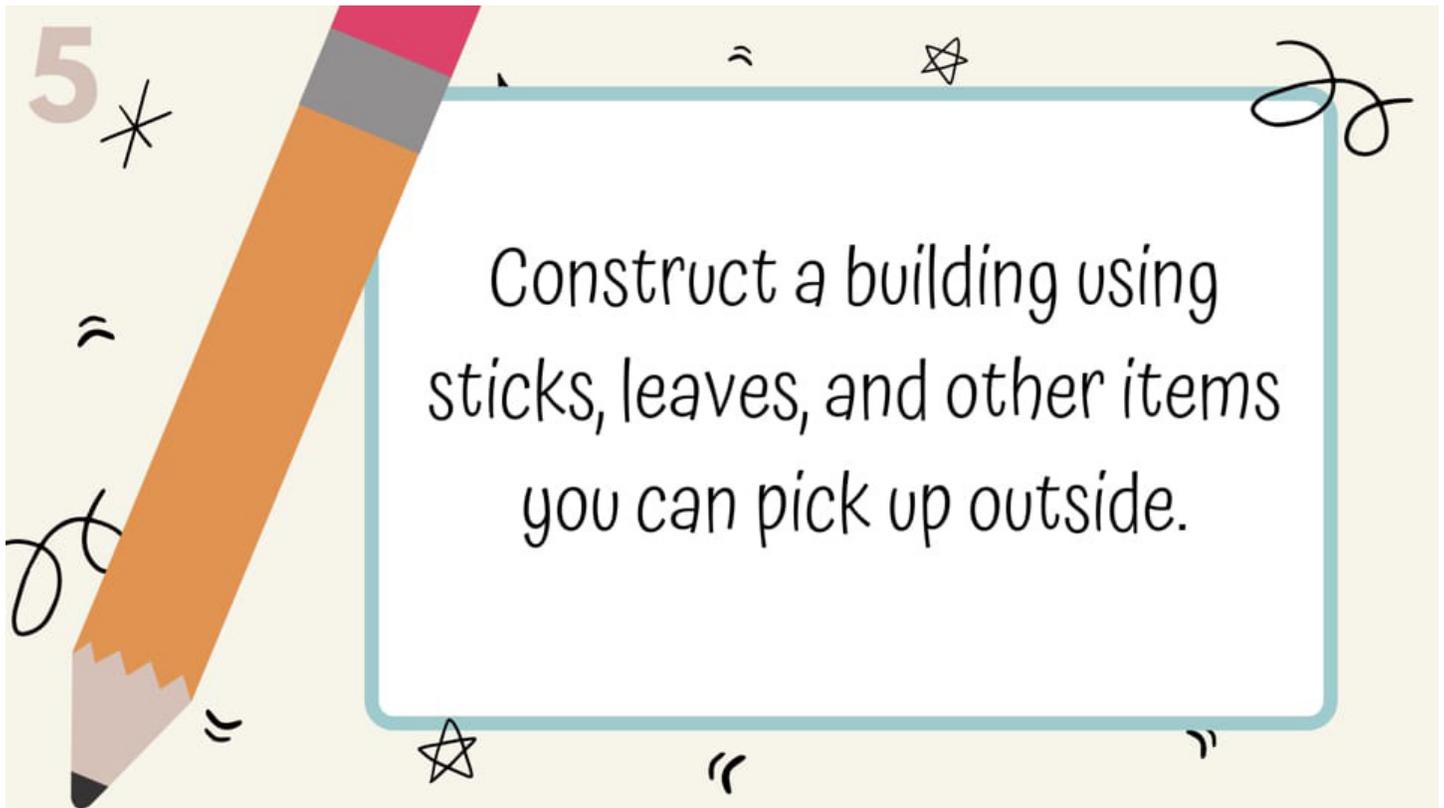
#3



Shared from WeAreTeachers.com

#4

5 \*

An illustration of a pencil with a pink eraser, a grey band, and a sharpened orange lead tip. To the right of the pencil is a light blue rectangular box with rounded corners. The box is decorated with various symbols: a tilde (~) at the top center, a star at the top right, a squiggle at the top right corner, a star at the bottom left, and two double quotes (") at the bottom center and bottom right. The number '5' and a star are in the top left corner.

Construct a building using sticks, leaves, and other items you can pick up outside.

Shared from WeAreTeachers.com

#5

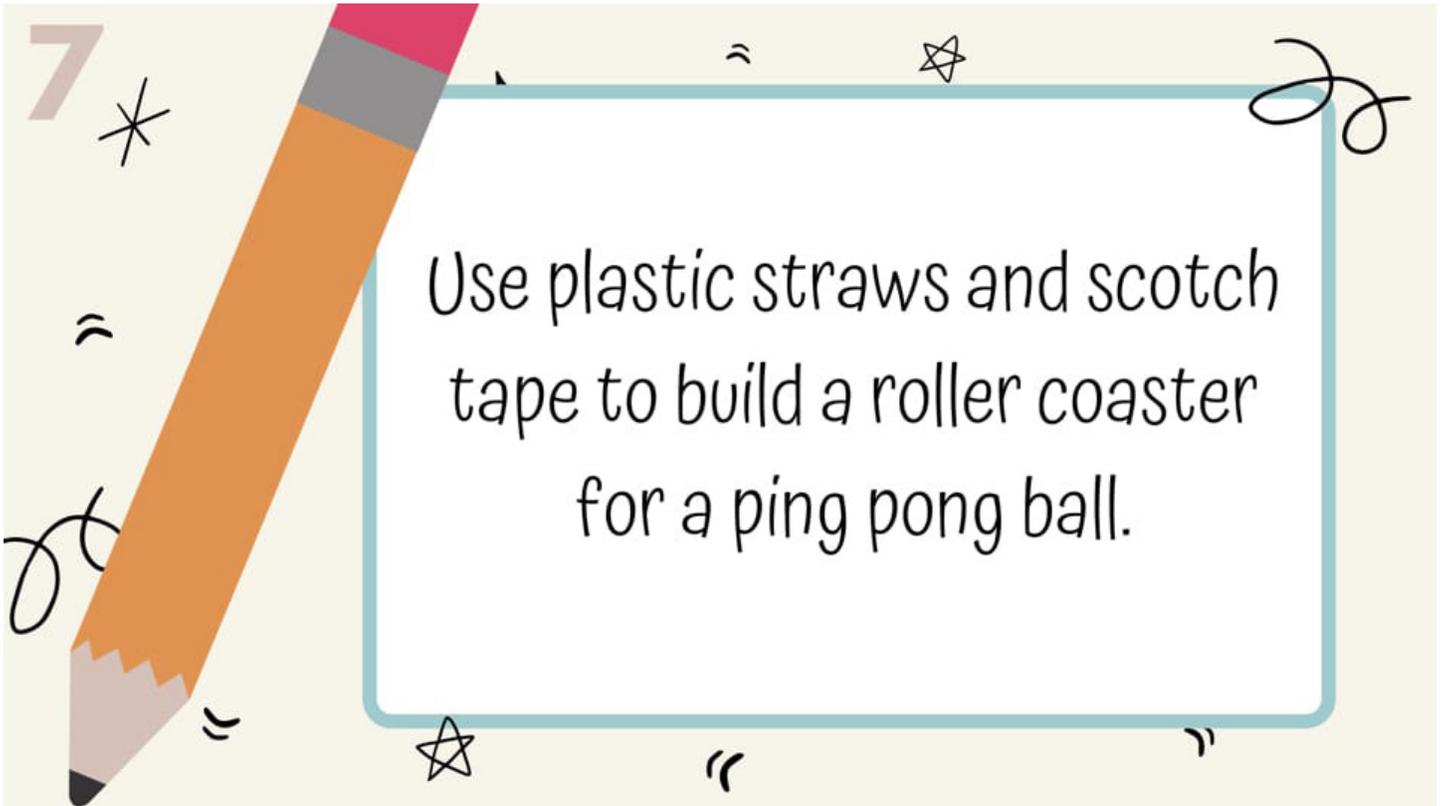
6 \*

An illustration of a pencil with a pink eraser, a grey band, and a sharpened orange lead tip. To the right of the pencil is a light blue rectangular box with rounded corners. The box is decorated with various symbols: a tilde (~) at the top center, a star at the top right, a squiggle at the top right corner, a star at the bottom left, and two double quotes (") at the bottom center and bottom right. The number '6' and a star are in the top left corner.

Use newspaper and masking tape to build a cage to hold a stuffed animal.

Shared from WeAreTeachers.com

#6



Use plastic straws and scotch tape to build a roller coaster for a ping pong ball.



Invent a new game using a cardboard box and other supplies of your choice.

9

Build the tallest possible tower that can support the weight of a book from 10 plastic cups and 10 index cards.

Shared from WeAreTeachers.com

#9

10

Use plastic spoons and rubber bands to build a device that launches a marshmallow as far as possible.

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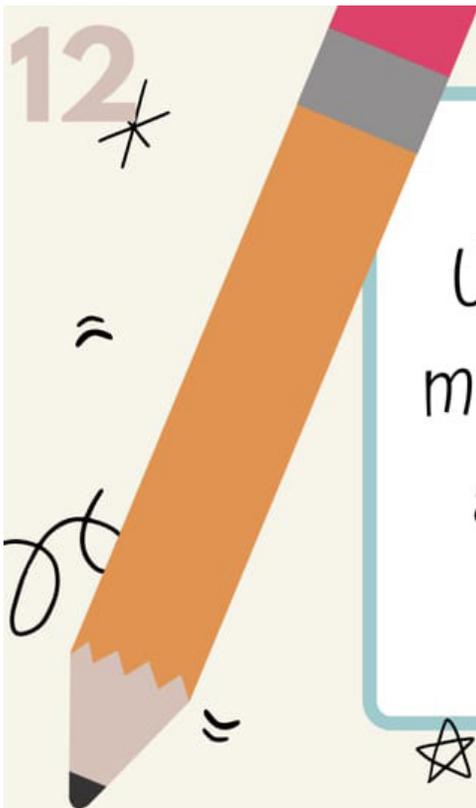
#10

11



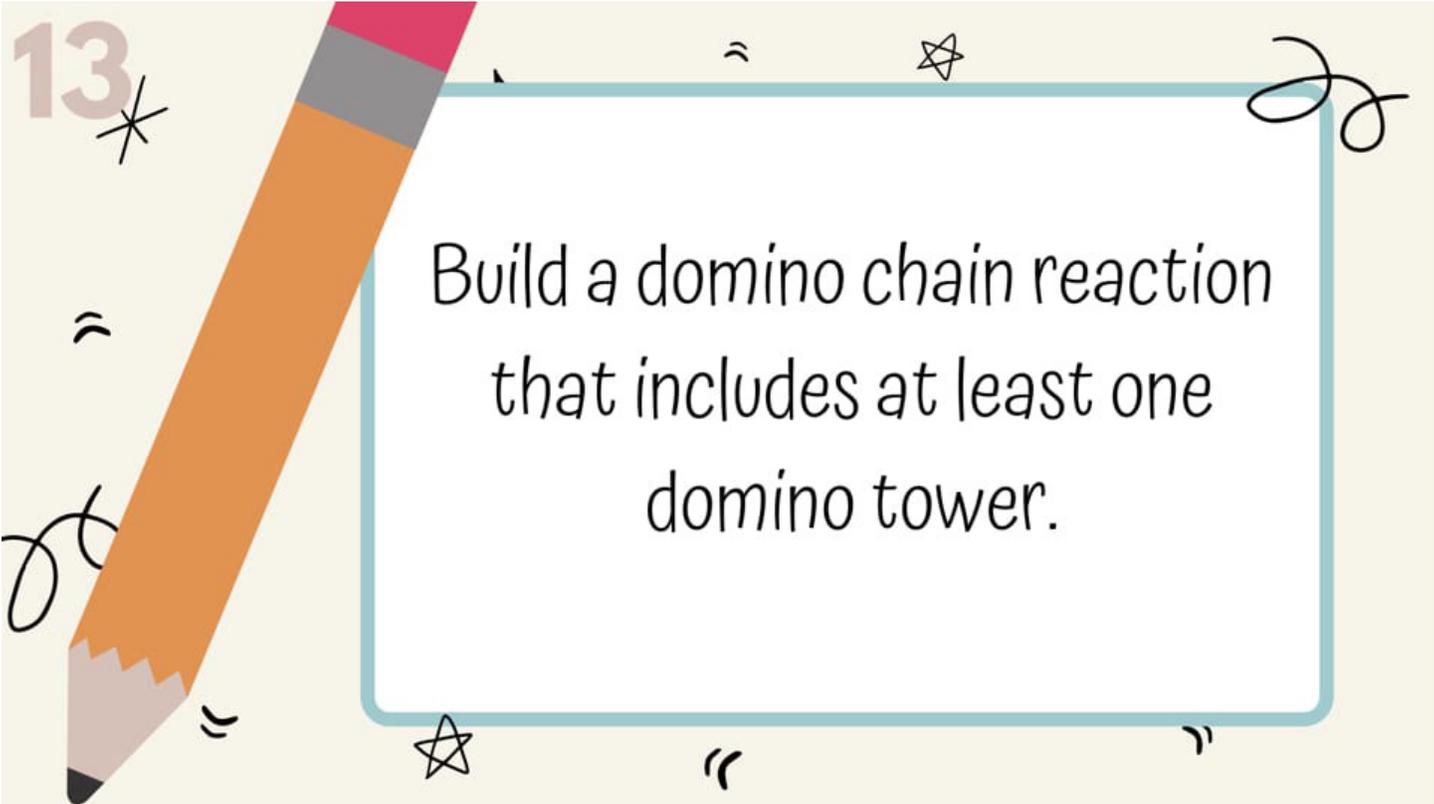
Design and build a floating houseboat using index cards, plastic straws, and tape or glue.

12



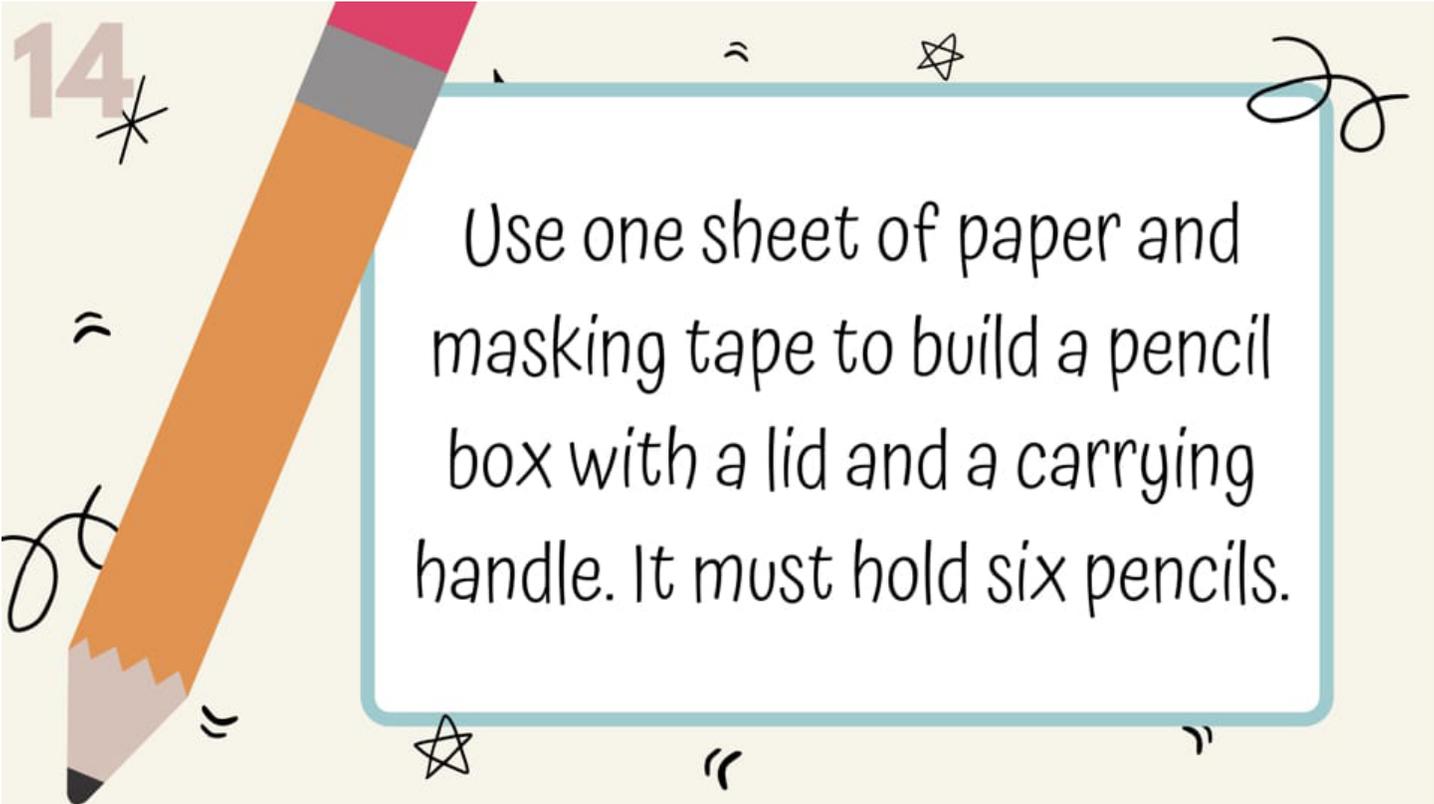
Use uncooked spaghetti and mini marshmallows to build an animal (real or imaginary).

13



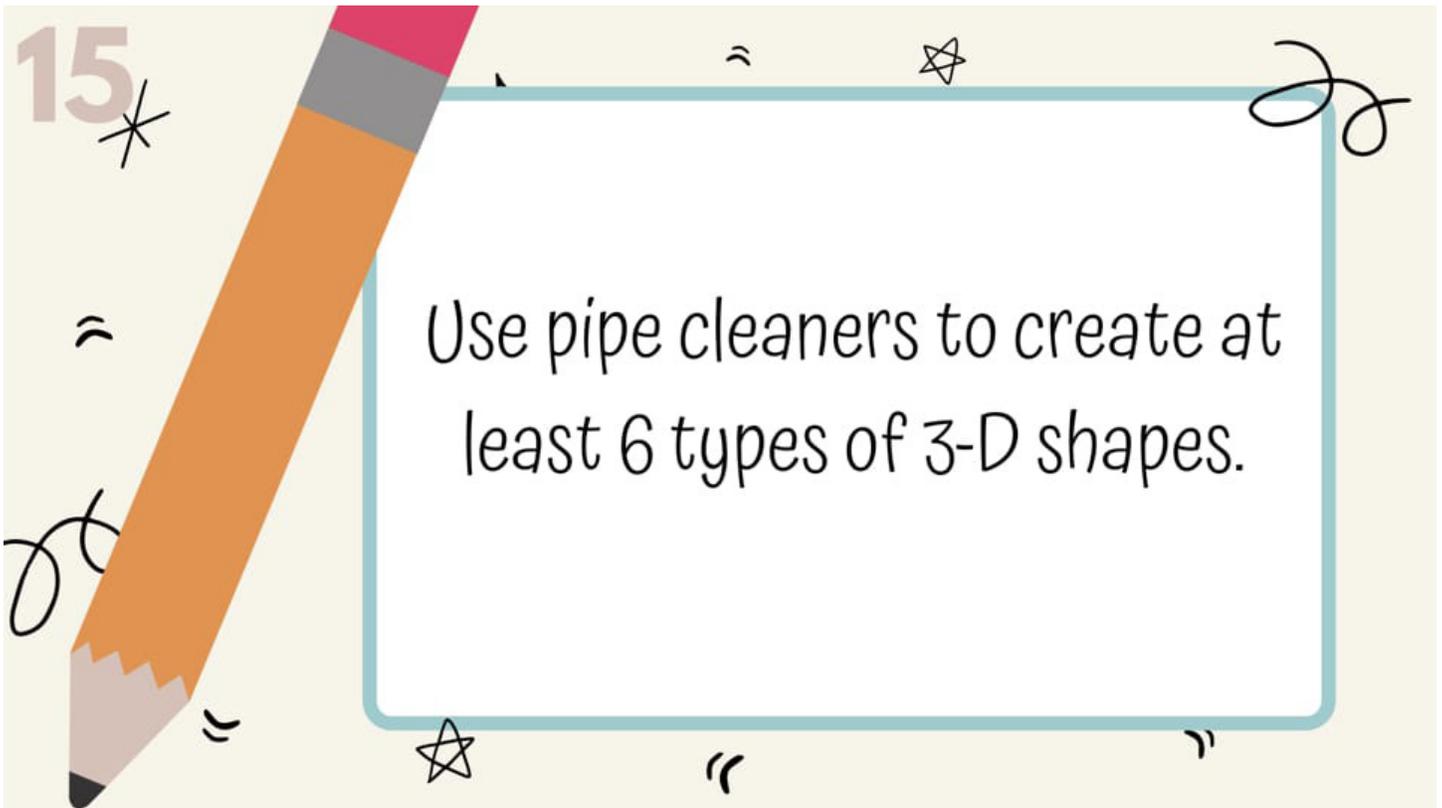
Build a domino chain reaction that includes at least one domino tower.

14



Use one sheet of paper and masking tape to build a pencil box with a lid and a carrying handle. It must hold six pencils.

15

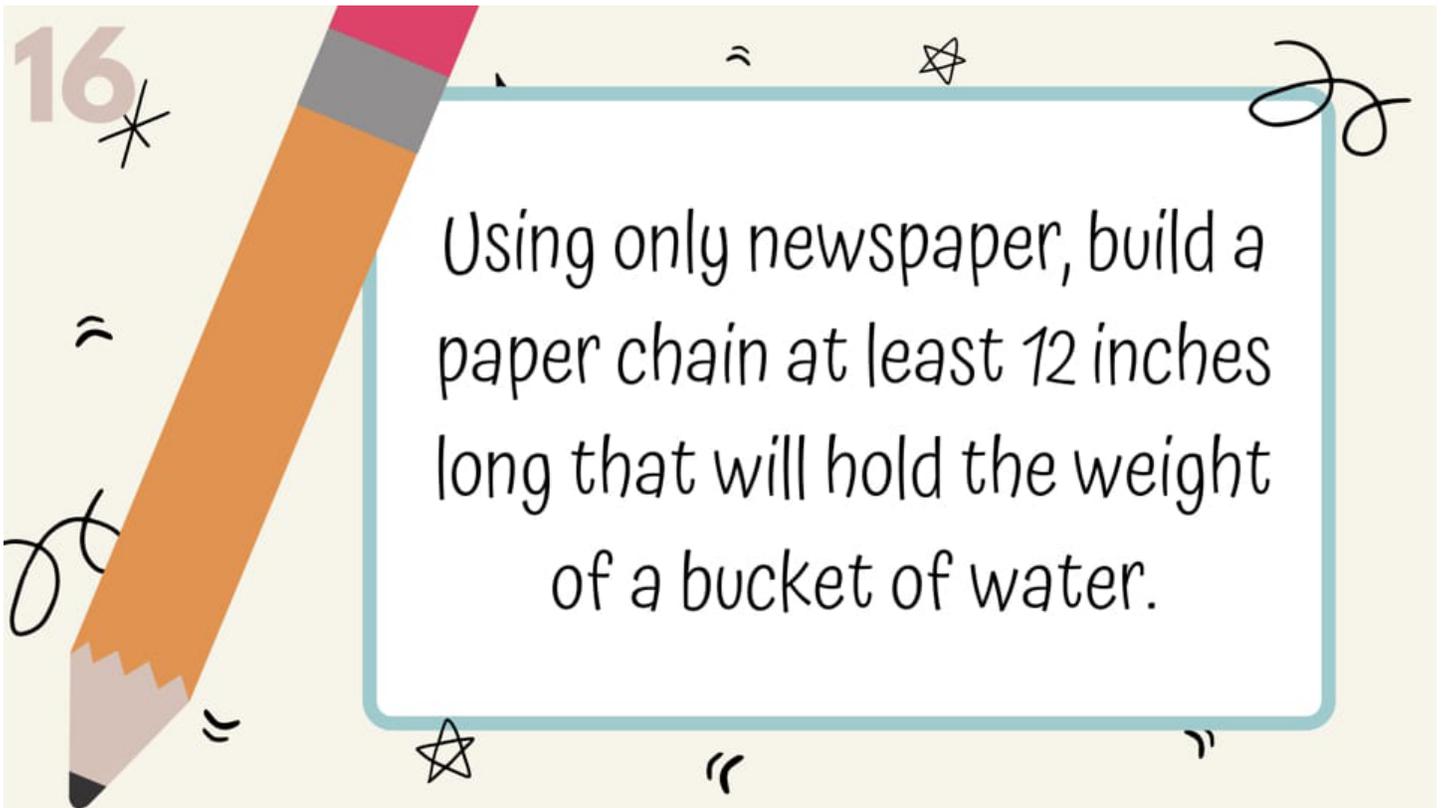


Use pipe cleaners to create at least 6 types of 3-D shapes.

Shared from WeAreTeachers.com

#15

16



Using only newspaper, build a paper chain at least 12 inches long that will hold the weight of a bucket of water.

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#16

17



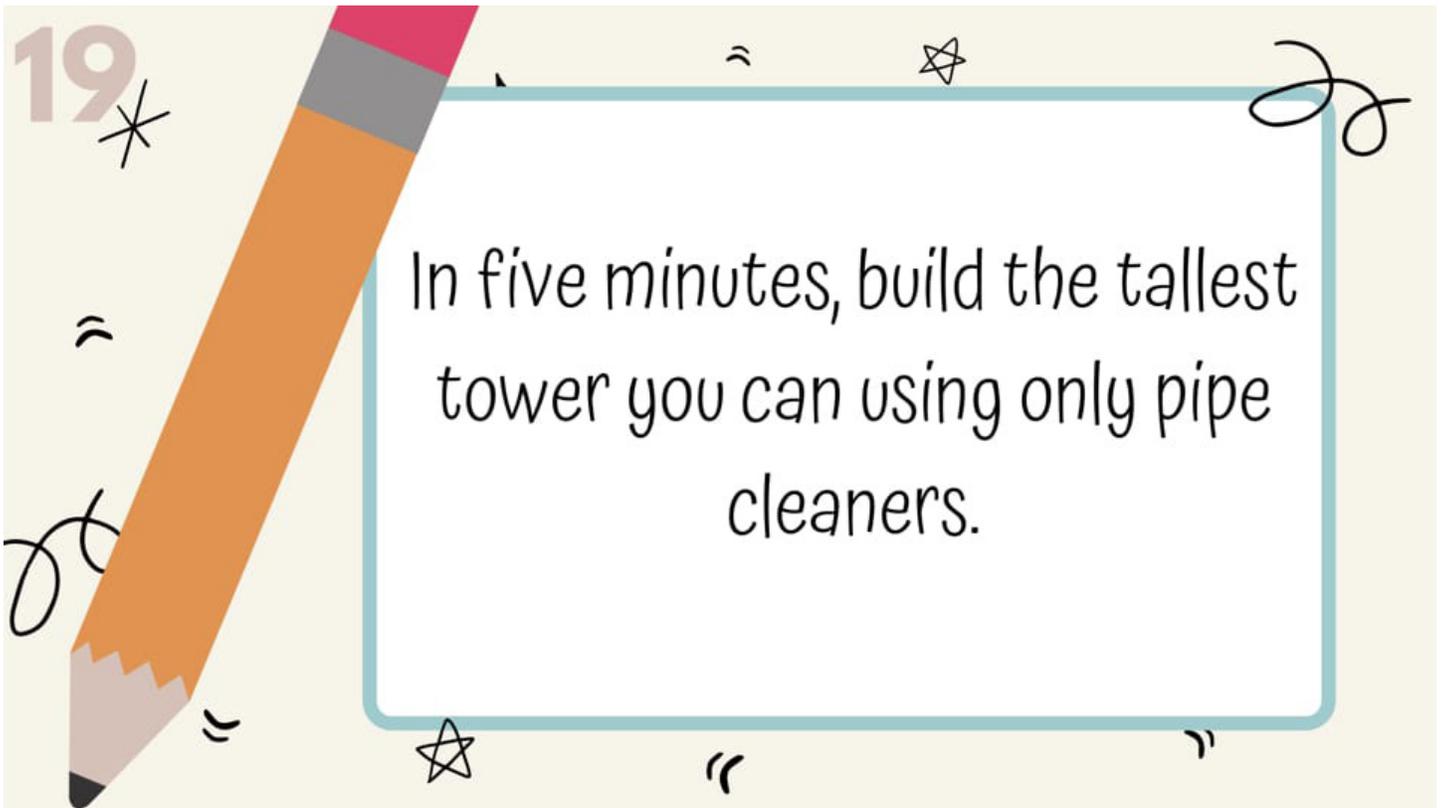
Create a new kind of tree using cardboard tubes, masking tape, and construction paper. Be ready to explain where and how your tree grows.

18



Find a new use for a plastic shopping bag. You can also use scissors and 12 inches of masking tape.

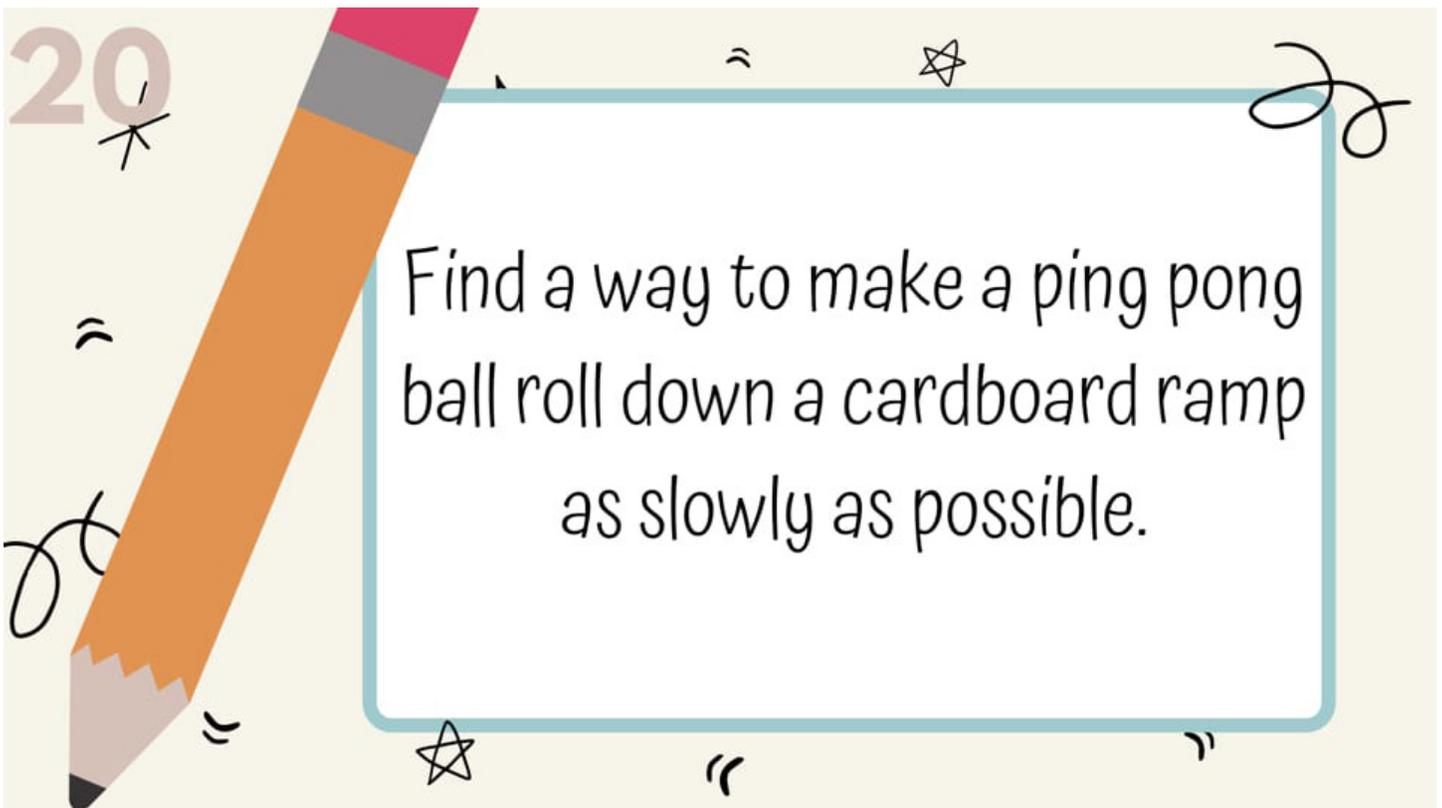
19



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#19

20



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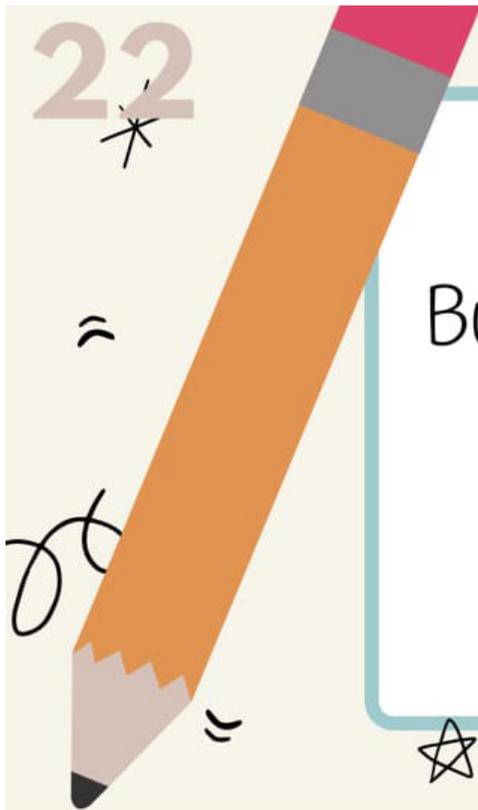
#20

21



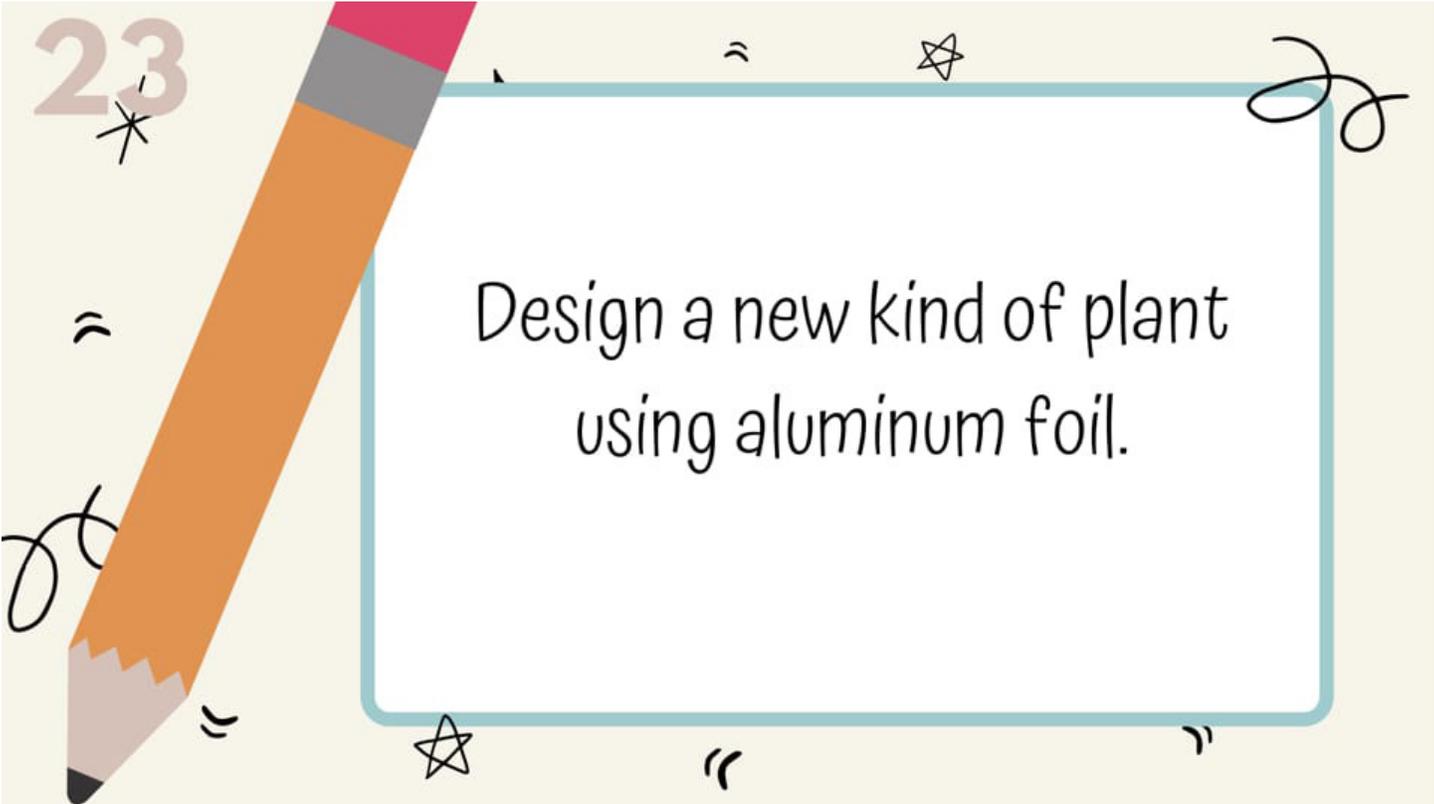
Use newspapers and masking tape to build a tent your whole group could camp out in overnight.

22



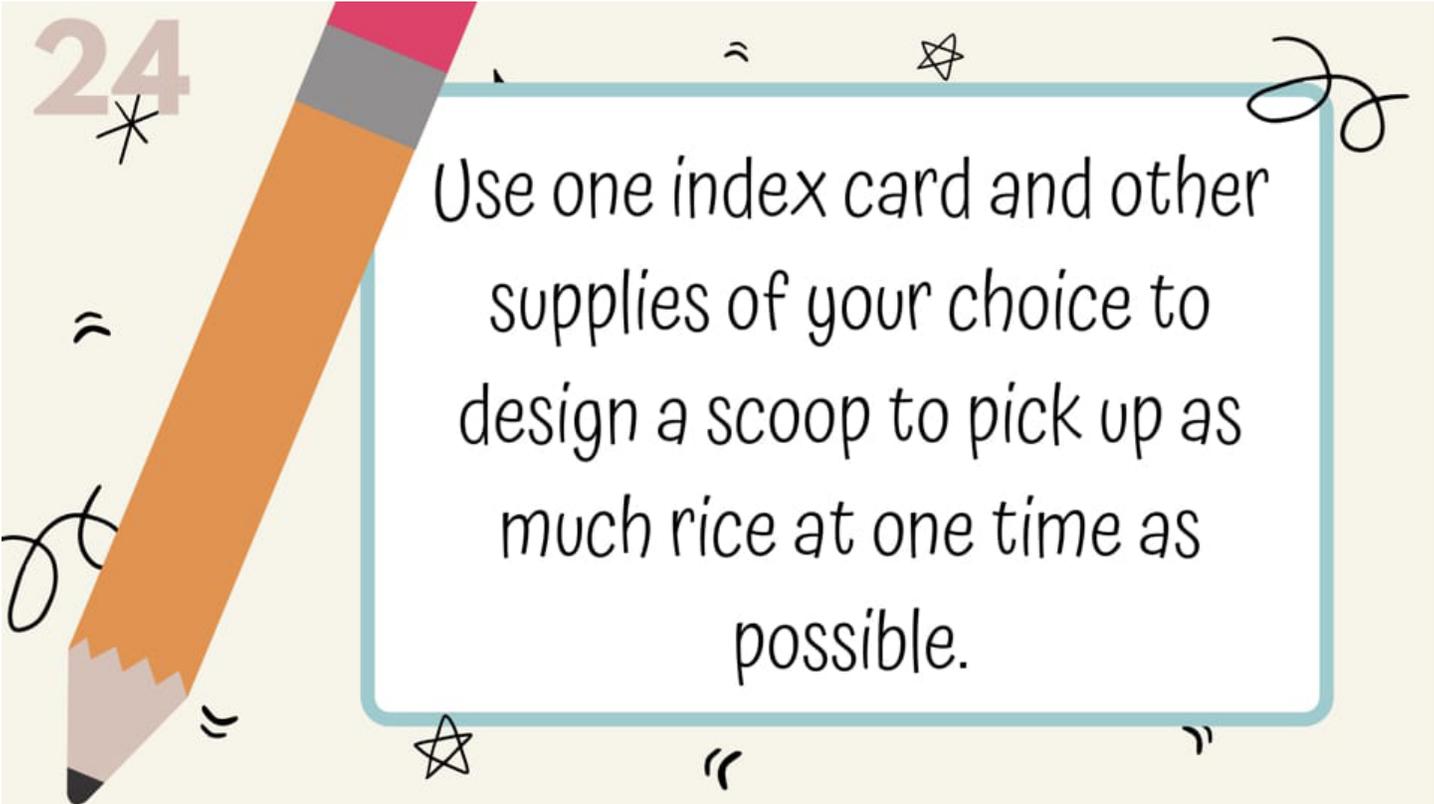
Build an igloo using toothpicks and marshmallows.

23



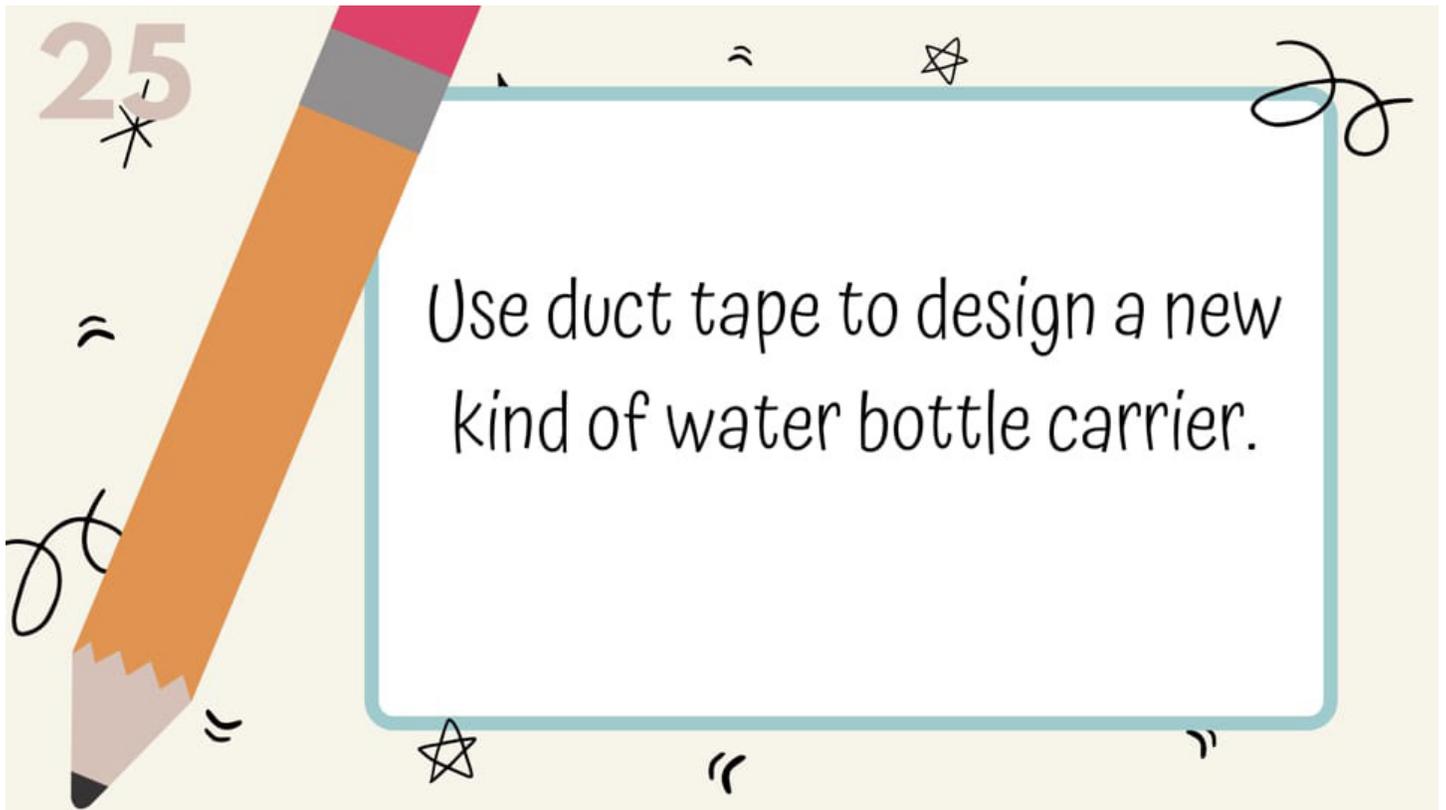
Design a new kind of plant  
using aluminum foil.

24



Use one index card and other  
supplies of your choice to  
design a scoop to pick up as  
much rice at one time as  
possible.

25



Use duct tape to design a new kind of water bottle carrier.



# 25 Fast and Fun Third Grade STEM Challenges Every Kid Will Love

Shared from [WeAreTeachers.com](https://www.weareteachers.com)

1. Design and build a paper airplane that flies the furthest possible distance.
2. Use 20 paper plates to build the tallest tower you can. You can use scissors, but no tape or glue.
3. Use LEGO bricks to build a marble maze.
4. Build a 12-inch bridge from index cards, plastic straws, and masking tape that will hold 100 pennies.
5. Construct a building using sticks, leaves, and other items you can pick up outside.
6. Use newspaper and masking tape to build a cage to hold a stuffed animal.
7. Use plastic straws and Scotch tape to build a roller coaster for a ping pong ball.
8. Invent a new game using a cardboard box and other supplies of your choice.
9. Build the tallest possible tower that can support the weight of a book from 10 plastic cups and 10 index cards.
10. Use plastic spoons and rubber bands to build a device that launches a marshmallow as far as possible.
11. Design and build a floating houseboat using index cards, plastic straws, and tape or glue.
12. Use uncooked spaghetti and mini marshmallows to build an animal (real or imaginary).
13. Build a domino chain reaction that includes at least one domino tower.
14. Use one sheet of paper and masking tape to build a pencil box with a lid and a carrying handle. It must hold six pencils.
15. Use pipe cleaners to create at least 6 types of 3-D shapes.

16. Using only newspaper, build a paper chain at least 12 inches long that will hold the weight of a bucket of water.
17. Create a new kind of tree using cardboard tubes, masking tape, and construction paper. Be ready to explain where and how your tree grows.
18. Find a new use for a plastic shopping bag. You can also use scissors and 12 inches of masking tape.
19. In five minutes, build the tallest tower you can using only pipe cleaners.
20. Find a way to make a ping pong ball roll down a cardboard ramp as slowly as possible.
21. Use newspapers and masking tape to build a tent your whole group could camp out in overnight.
22. Build an igloo using toothpicks and marshmallows.
23. Design a new kind of plant using aluminum foil.
24. Use one index card and other supplies of your choice to design a scoop to pick up as much rice at one time as possible.
25. Use duct tape to design a new kind of water bottle carrier.

