

Foil boat float test

AGES 5-10 / ABOUT 20 MIN / WITH A GROWN-UP

1. Mold a small foil square into a boat. Draw your design.
2. Float it in a tub of water. Add pennies one at a time. How many before it sinks?
3. Change the shape (wider? taller? flatter?). Test again.

My boat design

Pennies held: boat 1 vs. boat 2

MY NAME OR MARK: _____

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THE GROWN-UP GUIDE

Design changes how much a shape can hold.

GATHER

This sheet, foil squares, tub of water, 20+ pennies or small weights, towel.

A QUESTION TO BORROW

What did you change that helped the most?

MAKE IT EASIER

Float the boat and add 5 pennies. Count out loud.

ADD A CHALLENGE

Predict how many pennies each shape will hold, then check your prediction.

A GOOD PLACE TO STOP

Dry everything and keep the best boat for tomorrow.

KEEP IT COMFORTABLE & SAFE

Grown-up stays near the water. Pennies are not for mouths. Wipe up spills.

CONNECTED TO

The Sage Dad · Float and sink

Age ranges are a guide. Let your child point, draw, dictate or write.
Use with a grown-up; pause whenever either of you needs a break.