



Pushes & Pulls

Push or Pull?

Name: _____

Date: _____

Look at each picture. Circle PUSH or PULL!



PUSH

PULL



PUSH

PULL



PUSH

PULL



PUSH

PULL

Adult: Ask for each picture: "Is the child pushing or pulling? How can you tell?"

A push moves an object away from the child. A pull moves an object toward the child — the wagon and the sled are pulled along behind.



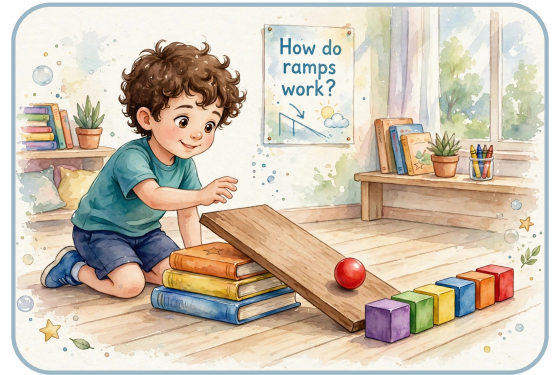
Name: _____

Date: _____

Build a ramp. Roll 3 things. Record how far!

You need: a board or big book,
books to lift one end, cubes,
and 3 things that roll.

1. Put one thing at the top.
2. Let go — no push! It rolls.
3. Measure with cubes.
4. Draw it. Color its squares.



What I rolled

Draw it here

Draw it here

Draw it here

How far it rolled (in cubes)

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Color one square for each cube.

--	--	--	--	--	--	--	--	--	--

Color one square for each cube.

--	--	--	--	--	--	--	--	--	--

Color one square for each cube.

Adult: Same ramp, same starting spot at the top for every roll —
and always just let go, with no extra push. Different objects roll
different distances; that is the observation. Ask: “Which rolled farthest?”



Pushes & Pulls

Gentle Push, Strong Push

Name: _____

Date: _____

Same ball. Same floor. Two pushes!

Use the **SAME** ball on the
SAME floor both times.

Push 1: gentle.

Measure with cubes.

Push 2: stronger.

Measure again.



Push 1 — GENTLE

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Color one square for each cube.

Push 2 — STRONG

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Color one square for each cube.

I noticed:

Adult: Mark where the ball starts so both pushes begin at the same spot.
Write your child's exact words for "I noticed." There is no printed answer — the
measurements your child made are the result.



Name: _____

Date: _____

Push the same ball from two sides!



Push from this side

PREDICT — my arrow

RECORD — what happened

TRIAL 1



from the left



Draw your arrow here



Draw your arrow here

Trial 2 — from the other side

TRIAL 2



from the right



Draw your arrow here



Draw your arrow here

**Adult: Use the SAME ball both times. Trial 1 pushes it from the left;
Trial 2 pushes it from the right. Predict first, then push, then record.**



Name: _____

Date: _____

Ask a question. Test it. Tell what you found!

My question: _____

What I tested

What I saw

I found out:

Adult: Question ideas: “Will a heavy box move?” “What rolls down the ramp?”

Test together with safe household objects. Write your child's question and their exact words for “I found out.” Drawing is the record; talking is the science.