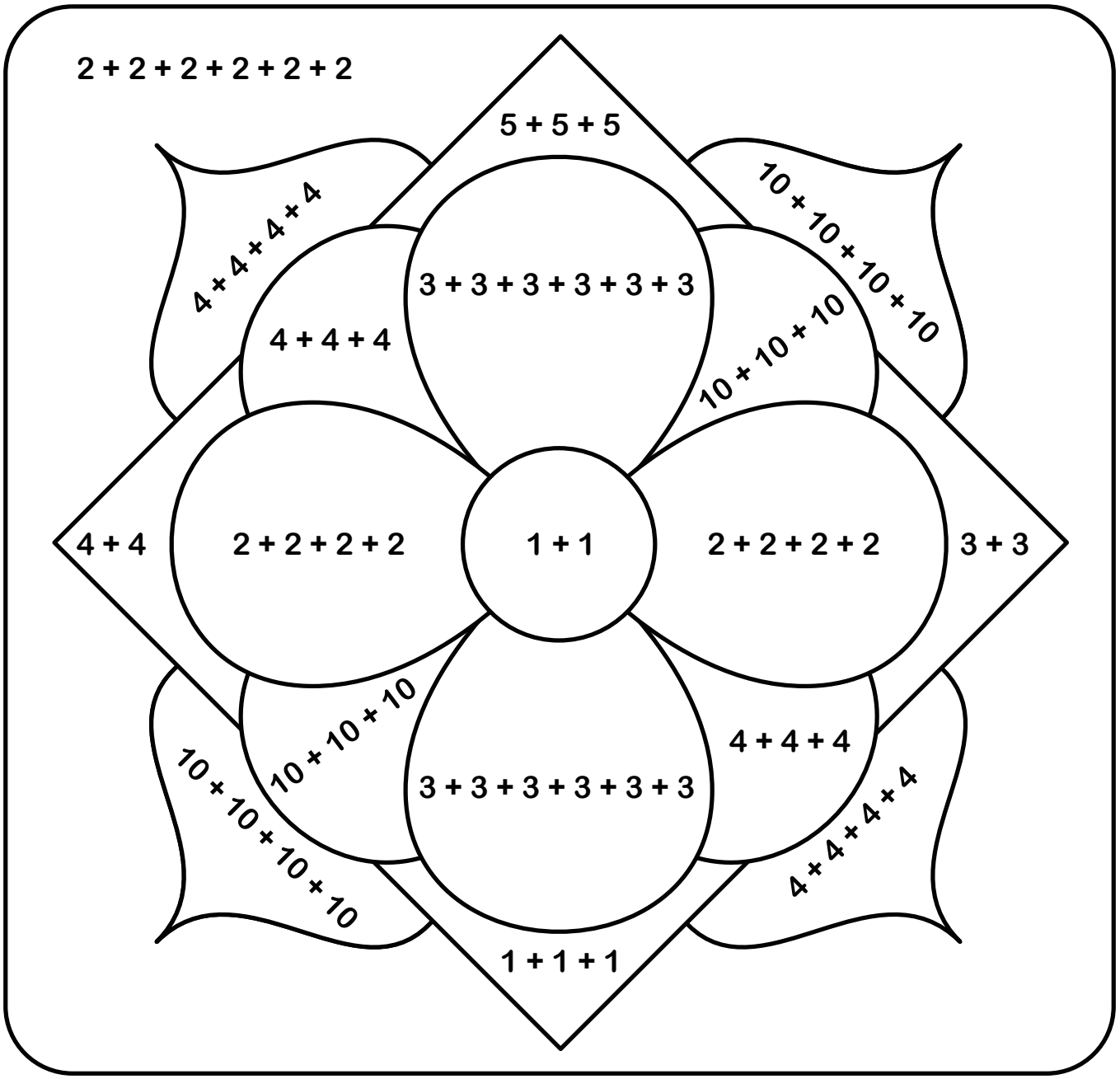
Name: _____ Date: _____

COLOUR BY NUMBER

Early Multiplication

Find the matching multiplication sentence and then colour that section the corresponding colour.



2 x 1	white	3 x 1	orange	3 x 4	dark blue	4 x 2	light blue
2 x 3	black	6 x 2	yellow	3 x 5	purple	4 x 4	light green
2 x 4	red	6 x 3	dark green	3 x 10	pink	4 x 10	brown

How to Make

A Toy Car Launcher

inquisitive

Materials needed

You will need:

- a shoe box or small box with sides
- 2 elastic bands
- 2 paper clips
- scrap cardboard
- a marker
- scissors

Step 1

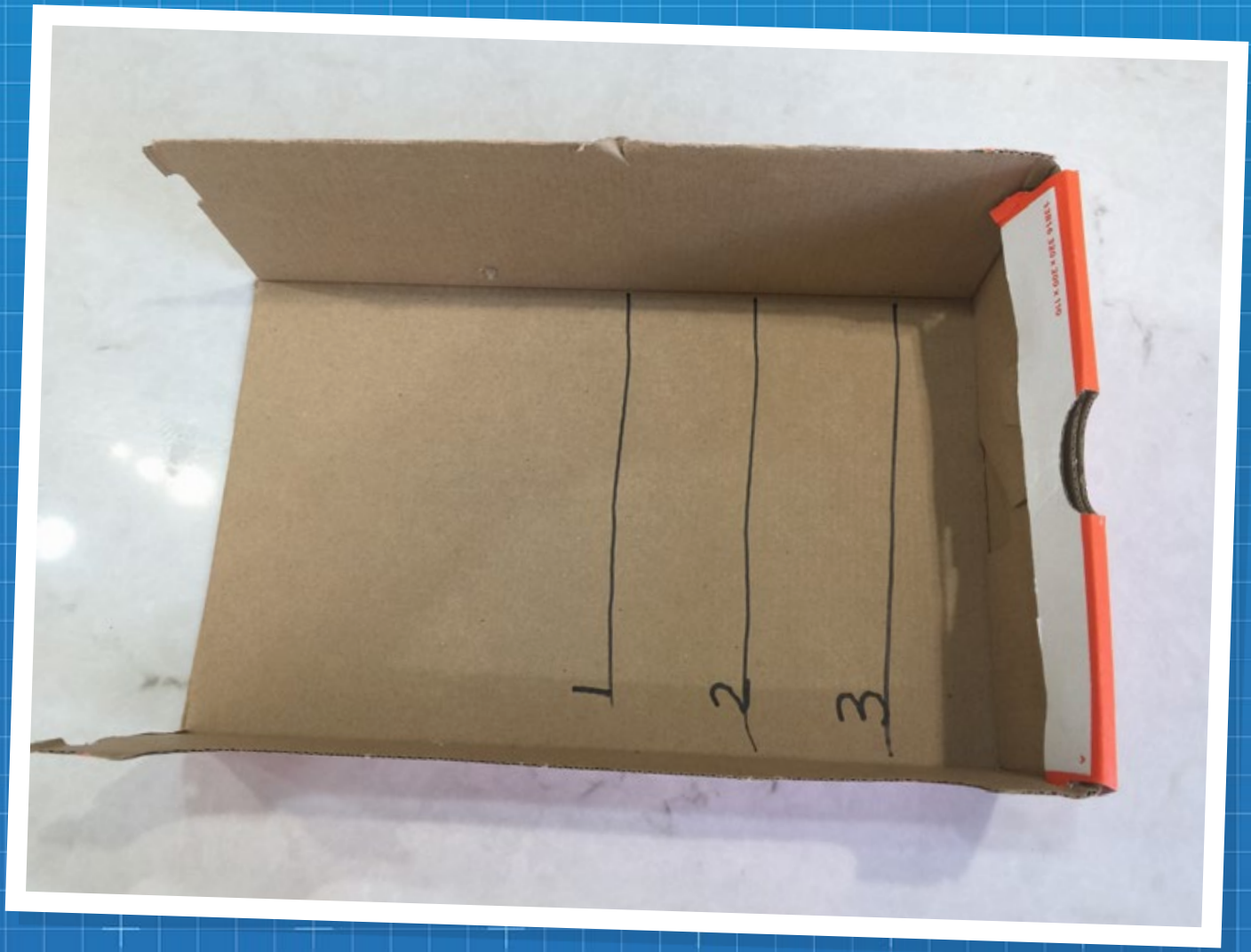
Remove one end of the box.

Step 2

Draw a line across the middle.

Step 3

Draw two more lines after it.



Step 4

Number the lines 1, 2, 3.

Step 5

Make a hole in each side of the box, about a finger length from the front.

Step 6

Cut a piece of cardboard about the length of your toy car.

Step 7

Bend one end up.

Step 8

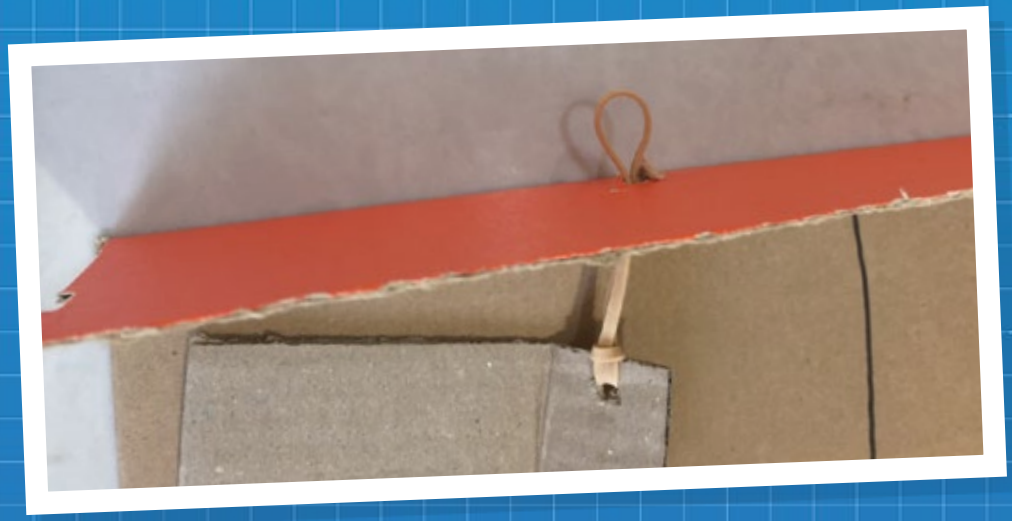
Make two holes in the short end of the cardboard and push the elastic bands through.

Step 9

Loop the elastic bands through one end.

Step 10

Push the other end of the elastic band through the hole in the side of the box.



Step 11

Attach the paper clip.

Step 12

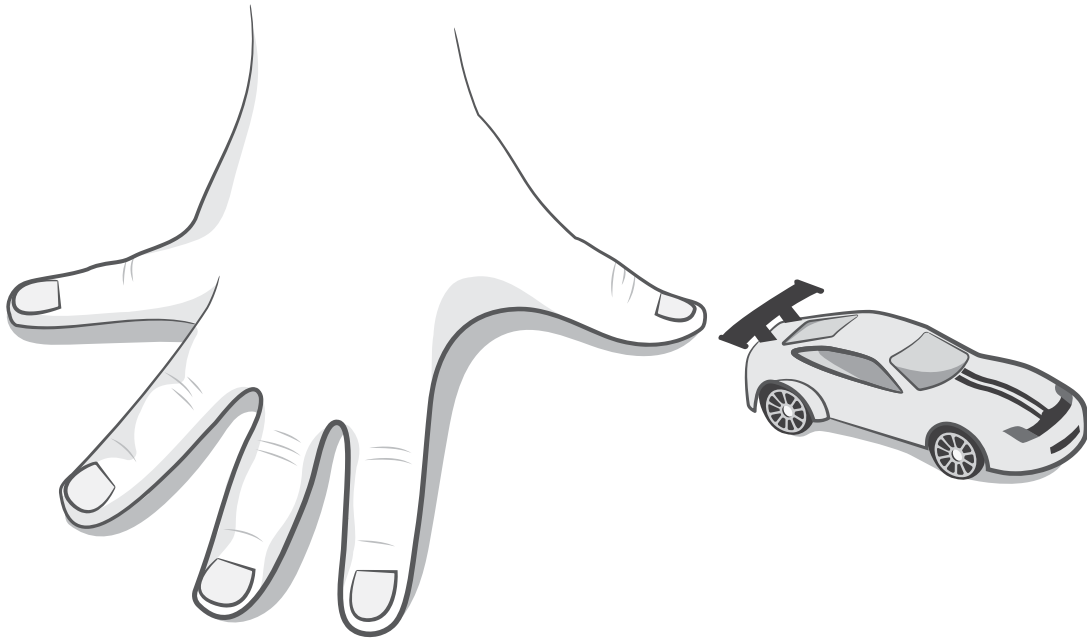
Do the same to the other side.

Step 13

Your toy car launcher is ready to use.

Observe:

1. Put your car in the toy car launcher.
2. Pull it back to level 1.
3. Let the car go.
4. Use hand spans to measure how far it went.
5. Record your results.
6. Repeat steps 2–5 for level 2 and 3.



Force	Distance travelled	
Level 1	Number of hand spans	
Level 2	Number of hand spans	
Level 3	Number of hand spans	

Explain:

What did you see?

What do you think?

What do you wonder?

Was your prediction correct?

4 Repeat the investigation with another car. One that is much bigger or smaller than the first one you used.

Predict: When I use a car that is _____ I think the force will make it go _____.

Observe and record:

Force	Distance travelled	
Level 1	Number of hand spans	
Level 2	Number of hand spans	
Level 3	Number of hand spans	

Explain:

What was different about the two cars? _____

What was the same? _____

5

A famous scientist, Sir Isaac Newton said,

“The greater the force the greater the acceleration.”

Do you agree with his statement?

I think	Why I think that

Write your own statement to explain something about forces.