Grade 1 Mathematics: Data and Probability

Free sample lesson

Ontario curriculum: Mathematics (2020), Strand D (Data and Probability). 14 days.

From unitplans.ca. For classroom use by the purchasing teacher. Please do not share or resell.

This is Lesson 1 of 10 from the full unit, exactly as it appears in the Teacher Guide, followed by the student worksheet. The full unit is at unitplans.ca.

unitplans.ca

Lesson 1: Sort by one rule

1 day · about 43 minutes · D1.1

> **Learning goal**
>
> - We are learning to sort things into groups by one feature and say our rule.

> **Success criteria**
>
> - I can sort things into groups.
> - I can tell my sorting rule.

Materials

- Hoops or paper plates
- Buttons, blocks or pattern blocks
- Sticky notes

What students do with their hands

Students sort buttons, blocks and their own shoes into hoops, then walk around to see how other groups sorted.

Minds On (8 min)

1. Put students with shoes with laces on one side and without laces on the other. Ask: "What is my rule?"
2. Switch the rule and sort again.

Action (25 min)

1. Model sorting a handful of blocks by colour into hoops and name the rule.

unitplans.ca

2. Partners sort a bag of buttons any way they like, then partners guess the rule.
3. Complete the worksheet, using real objects when needed.

Consolidation (10 min)

1. Gallery walk: look at two other sorts and guess the rules.
2. Exit: "What is one way to sort shapes?"

Questions to ask

- What is your rule?
- Can you sort the same things a different way?

Watch for

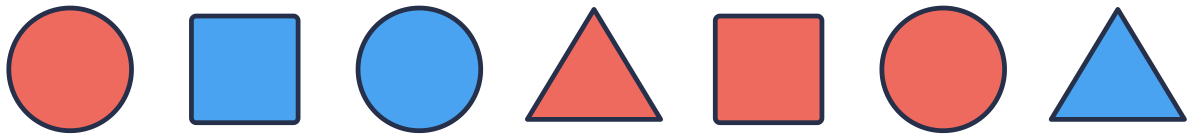
- Some students change the rule halfway. Say the rule aloud before sorting each item.

Differentiation

Support	Extend
Sort only two groups using colour.	Sort again using a second rule and compare.

Answer key: Sort the shapes

1. How many red shapes?

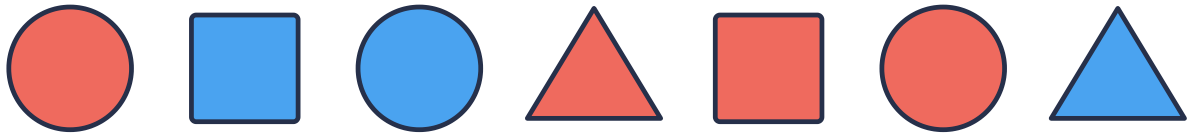


unitplans.ca

> **Answer:** 4

unitplans.ca

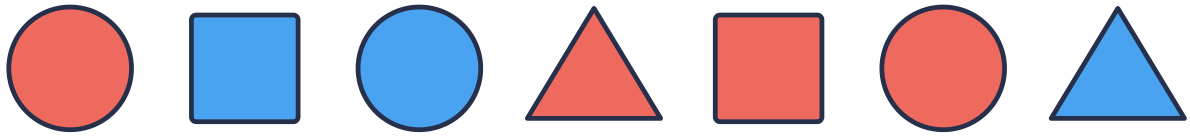
2. How many blue shapes?



unitplans.ca

> **Answer:** 3

3. How many circles?



unitplans.ca

> **Answer:** 3

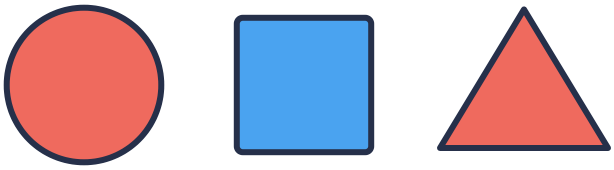
4. Colour the squares.



unitplans.ca

> **Answer:** Colour the 2 squares.

5. How are these sorted? Tell the rule.



unitplans.ca

> **Answer:** By colour: red shapes and blue shapes.

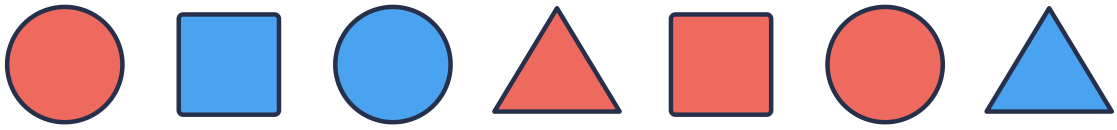
Student worksheet: Sort the shapes

Success criteria

- I can sort things into groups.
- I can tell my sorting rule.

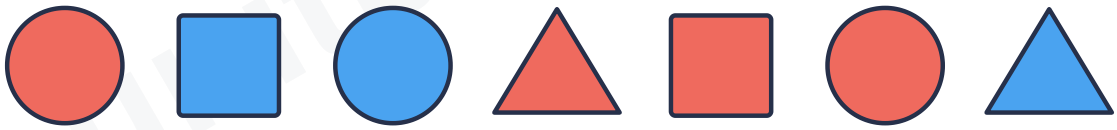
Look at the shapes. Follow the question.

1 How many red shapes?



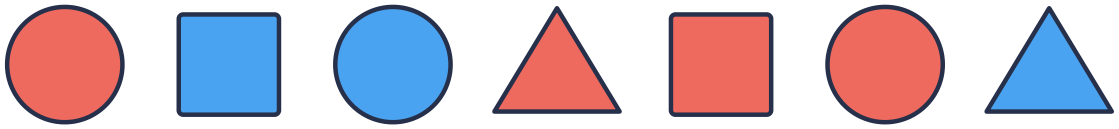
unitplans.ca

2 How many blue shapes?



unitplans.ca

3 How many circles?



unitplans.ca

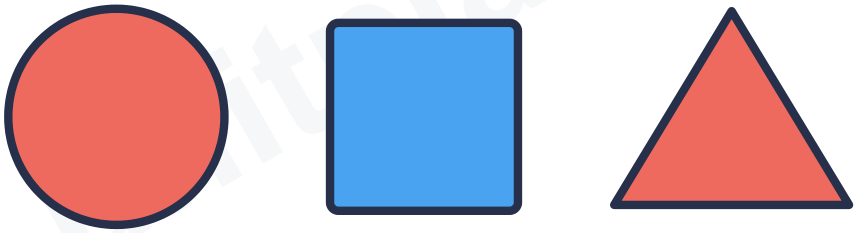


4 Colour the squares.



unitplans.ca

5 How are these sorted? Tell the rule.



unitplans.ca