# Share Spotter

Sort six figures, then explain two choices.

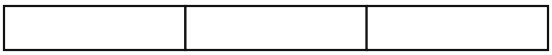
**2.NOS.D.11** "Partition circles and rectangles into equal shares (halves, thirds, and fourths) recognizing that equal shares do not need to have the same shape. Determine how many equal shares are needed to make a whole (e.g., three thirds)."

NAME _____ DATE _____

### THIRDS

Three equal shares make one whole. Each share is a third.

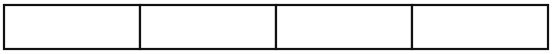
A ribbon split into three equal pieces.



### FOURTHS

Four equal shares make one whole. Each share is a fourth.

A paper strip split into four equal pieces.



## 1 SORT

6 items

Look at each figure and circle THIRDS or FOURTHS.

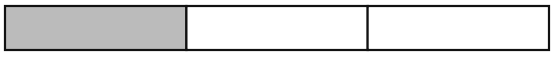
**1.** 

Figure 1

THIRDS FOURTHS

**2.** 

Figure 2

THIRDS FOURTHS

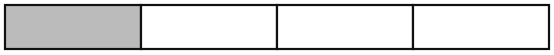
**3.** 

Figure 3

THIRDS FOURTHS

**4.** 

Figure 4

THIRDS FOURTHS

**5.** 

Figure 5

THIRDS FOURTHS

**6.** 

Figure 6

THIRDS FOURTHS

## 2 PROVE IT

Explain your thinking

Pick two items from Part 1. For each one, tell how you knew where it belonged.

**ITEM #** _____ **HOW I KNEW** _____

**ITEM #** _____ **HOW I KNEW** _____

## 3 MAKE YOUR OWN

One of each

Write about one new shape split into thirds and one new shape split into fourths.

**THIRDS**

**FOURTHS**

**CHALLENGE**

Draw two rectangles split into fourths in different ways.

**ANSWER KEY** # Share Spotter

**GRADE 2 · 2.NOS.D.11**

## PART 1 · SORT

| # | ITEM | CATEGORY | WHY |
|---|---|---|---|
| 1 | Figure 1 (fractionbars) | **THIRDS** | The whole has three equal shares. |
| 2 | Figure 2 (fractionbars) | **THIRDS** | The whole has three equal shares. |
| 3 | Figure 3 (fractionbars) | **FOURTHS** | The whole has four equal shares. |
| 4 | Figure 4 (fractionbars) | **THIRDS** | Three thirds make the shaded whole. |
| 5 | Figure 5 (fractionbars) | **FOURTHS** | The whole has four equal shares. |
| 6 | Figure 6 (fractionbars) | **FOURTHS** | The whole has four equal shares. |

## PART 2 · PROVE IT

Accept any explanation that names the deciding feature from the rule box for the chosen item.

## PART 3 · MAKE YOUR OWN (SAMPLE ANSWERS)

- **THIRDS**: A circle split into three equal shares.
- **FOURTHS**: A circle split into four equal shares.

**Challenge:** One 8 by 4 rectangle has four equal 8 by 1 strips. Another 8 by 4 rectangle has four equal 4 by 2 parts.

For Prove It, have students pick two figures and explain each choice by counting all the equal shares, not just the shaded shares. Accept other correct shapes for Make Your Own.