

Fraction Name Check

Decide whether each fraction name matches the model.

NY-2.G.3 "Partition circles and rectangles into two, three, or four equal shares. Describe the shares using the words halves, thirds, half of, a third of, etc. Describe the whole as two halves, three thirds, four fourths..."

NAME _____

DATE _____

THE NAME MATCHES

Choose MATCHES when the fraction name tells the number of shaded equal shares and the total equal shares.

Four equal shares are shaded.



The whole is four fourths.

THE NAME DOES NOT MATCH

Choose NO MATCH when the fraction name does not tell what the model shows.

No shares are shaded. Calling this one half does not match.



1 SORT

8 items

Look at each model and circle MATCHES or NO MATCH for the fraction name.

1.



Figure 1.
Name: **one half**

MATCHES

NO MATCH

2.



Figure 2.
Name: **two thirds**

MATCHES

NO MATCH

3.

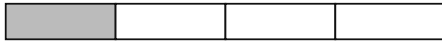


Figure 3.
Name: **one third**

MATCHES

NO MATCH

4.



Figure 4.
Name: **two halves**

MATCHES

NO MATCH

5.



Figure 5.
Name: **one fourth**

MATCHES

NO MATCH

6.



Figure 6.
Name: **two thirds**

MATCHES

NO MATCH

7.



Figure 7.
Name: **three thirds**

MATCHES

NO MATCH

8.



Figure 8.
Name: **three halves**

MATCHES

NO MATCH

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 one new MATCHES example and one new NO MATCH example. Tell the equal shares and the fraction name.

MATCHES _____

NO MATCH _____

CHALLENGE

Draw two same-size rectangles. Split each into 4 equal shares in different ways, shade 1 share in each, and name each shaded share.

PART 1 • SORT

#	ITEM	CATEGORY	WHY
1	Figure 1. Name: one half (fractionbars)	MATCHES	One of 2 equal shares is shaded, so the name is one half.
2	Figure 2. Name: two thirds (fractionbars)	MATCHES	Two of 3 equal shares are shaded, so the name is two thirds.
3	Figure 3. Name: one third (fractionbars)	NO MATCH	One of 4 equal shares is shaded. The matching name is one fourth.
4	Figure 4. Name: two halves (fractionbars)	MATCHES	Both of the 2 equal shares are shaded, so the whole is two halves.
5	Figure 5. Name: one fourth (fractionbars)	NO MATCH	One of 3 equal shares is shaded. The matching name is one third.
6	Figure 6. Name: two thirds (fractionbars)	NO MATCH	Two of 4 equal shares are shaded. The matching name is two fourths.
7	Figure 7. Name: three thirds (fractionbars)	MATCHES	All 3 equal shares are shaded, so the whole is three thirds.
8	Figure 8. Name: three halves (fractionbars)	NO MATCH	Three of 4 equal shares are shaded. The matching name is three fourths.

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)

- **MATCHES:** A bar has 4 equal shares, and 2 are shaded. I call it two fourths.
- **NO MATCH:** A bar has 2 equal shares, and 1 is shaded. I call it one third.

Challenge: I drew two same-size rectangles. One has 4 equal vertical strips, and one has 4 equal small squares. I shaded 1 share in each. Each shaded share is one fourth.

Answers are 1 MATCHES, 2 MATCHES, 3 NO MATCH, 4 MATCHES, 5 NO MATCH, 6 NO MATCH, 7 MATCHES, 8 NO MATCH. In Parts 2 and 3, check that the student compares shaded equal shares with the total equal shares.