LESSON MAKER PRO

Shade and Name

Read fraction models and write the matching numbers.

GRADE 3 · 3.NS.3.a.i

3.NS.3.a.i "Represent, name, and write a given fraction (proper or improper) or mixed number with denominators of 2, 3, 4, 5, 6, 8, and 10 using: region/area models (e.g., pie pieces, pattern blocks, geoboards);"

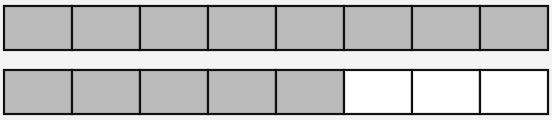
NAME _____ DATE _____

EQUAL PARTS MATTER

The denominator tells how many equal parts are in one whole. The numerator tells how many parts are shaded. When there is more than one whole, write the full wholes and then the extra fraction as a mixed number.

WORKED EXAMPLE

Name the amount shaded in the model as a mixed number.



1. Each bar is split into 8 equal parts.
2. The first bar shows 1 whole.
3. The second bar shows 5/8.
4. Write 1 5/8.

Answer: 1 5/8

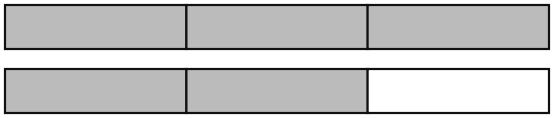
PRACTICE 6 problems

1 Write the fraction shaded in the model.



ANSWER _____

2 Name the amount shaded in the model as a mixed number.

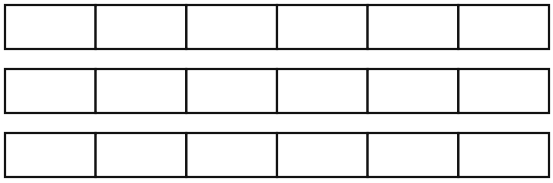


ANSWER _____

3 A paper is divided into 10 equal parts. Seven parts are colored. Write the fraction that is colored.

ANSWER _____

4 Each blank bar is one same-size whole. Shade 2 3/6. Write the shaded amount as an improper fraction.



ANSWER _____

5 Write 9/4 as a mixed number.

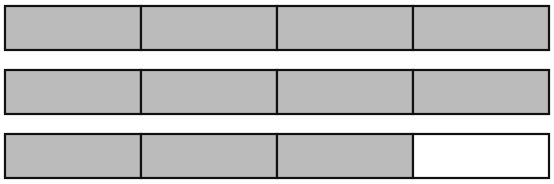
ANSWER _____

6 Write 13/10 as a mixed number.

ANSWER _____

APPLY IT Show your work

1 Nora colors poster panels for the school play. The model shows the panels she colored. Write the amount colored as an improper fraction.

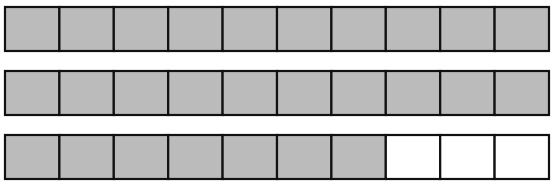


ANSWER

2 Malik rides 2 whole laps and 2/3 of another lap on his scooter. Write the distance as an improper fraction of a lap.

CHALLENGE One step up

The model shows part of a ribbon collection. Write the shaded amount as a mixed number and as an improper fraction. Explain why the denominator stays 10.



ANSWER KEY

Shade and Name

GRADE 3 · 3.NS.3.a.i

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write the fraction shaded in the model.	**3/4**
2	Name the amount shaded in the model as a mixed number.	**1 2/3**
3	A paper is divided into 10 equal parts. Seven parts are colored. Write the fraction that is colored.	**7/10**
4	Each blank bar is one same-size whole. Shade 2 3/6. Write the shaded amount as an improper fraction.	**Two full bars and three sixths of the third; 15/6.**
5	Write 9/4 as a mixed number.	**2 1/4**
6	Write 13/10 as a mixed number.	**1 3/10**

PART 2 · APPLY IT

1. **11/4** The model shows 2 whole panels and 3/4 of another panel. Two wholes are 8/4, and 8/4 + 3/4 = 11/4.
2. **8/3** Two whole laps equal 6/3. Add 2/3 to get 8/3.

CHALLENGE

2 7/10 and 27/10. The denominator stays 10 because each whole ribbon is divided into 10 equal parts.

Accept equivalent fractions only if the student also gives the requested form based on the model. For mixed-number answers, the whole-number part and fractional part must both be correct.