LESSON MAKER PRO

Fraction Model Mission

Read and name parts of one whole.

GRADE 3 · TEKS 3.3.A

3.3.A "represent fractions greater than zero and less than or equal to one with denominators of 2, 3, 4, 6, and 8 using concrete objects and pictorial models, including strip diagrams and number lines;"

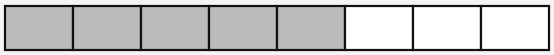
NAME _____ DATE _____

PARTS OF A WHOLE

A fraction names equal parts of one whole. The bottom number tells how many equal parts make the whole, and the top number tells how many parts are chosen or shaded.

WORKED EXAMPLE

What fraction of the strip is shaded?

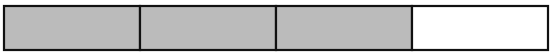


1. Count 8 equal parts in the whole strip.
2. Count 5 shaded parts.
3. Write shaded parts over total parts: 5/8.

Answer: 5/8

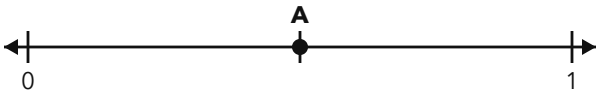
PRACTICE 6 problems

1 What fraction of the bar is shaded?



ANSWER _____

2 Point A is halfway from 0 to 1. What fraction names point A?



ANSWER _____

3 A whole is split into 6 equal parts. One part is shaded. Write the fraction that is shaded.

ANSWER _____

4 Six equal tiles make one whole. All 6 tiles are colored. Write the fraction that is colored.

ANSWER _____

5 A strip has 6 equal sections. Four sections have stars. What fraction of the strip has stars?

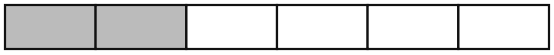
ANSWER _____

6 A sandwich is cut into 3 equal pieces. You eat 1 piece. What fraction of the sandwich did you eat?

ANSWER _____

APPLY IT Show your work

1 Jordan is filling a game progress bar. The filled sections are shown. What fraction of the progress bar is filled?



ANSWER _____

2 Three friends share one equal-sized pan of brownies. Ava gets 1 of the 3 equal shares. What fraction of the pan does Ava get?

WORK SPACE

ANSWER _____

3 Your teacher gives you six equal rectangular pieces that fit edge to edge to make one whole strip. Assemble all six to show the whole. Choose four pieces and place them along a same-length whole-strip outline. Trace all six equal sections and shade the four chosen sections in your drawing. Label the fraction and explain its numerator and denominator to your teacher.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Look at bars A and B. Do they show the same amount shaded? Explain how you know.

A



B



WORK SPACE AND ANSWER

ANSWER KEY

Fraction Model Mission

GRADE 3 · TEKS 3.3.A

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	What fraction of the bar is shaded?	**3/4**
2	Point A is halfway from 0 to 1. What fraction names point A?	**1/2**
3	A whole is split into 6 equal parts. One part is shaded. Write the fraction that is shaded.	**1/6**
4	Six equal tiles make one whole. All 6 tiles are colored. Write the fraction that is colored.	**6/6**
5	A strip has 6 equal sections. Four sections have stars. What fraction of the strip has stars?	**4/6**
6	A sandwich is cut into 3 equal pieces. You eat 1 piece. What fraction of the sandwich did you eat?	**1/3**

PART 2 · APPLY IT

1. **2/6** There are 6 equal sections in all. Two sections are filled, so the fraction is 2/6.
2. **1/3** The whole pan is divided into 3 equal shares. Ava has 1 share, so she gets 1/3.
3. **4/6 of one whole; 4 chosen pieces out of 6 equal pieces.** Prepare six equal pieces and a whole-strip outline equal to their combined length. Observe the child assembling the whole, choosing four pieces and drawing a six-section strip with four shaded sections. Check the 4/6 label and explanation. A numeral without the actual piece model and matching picture is incomplete.

CHALLENGE

Yes. Bar A shows 2/3, and bar B shows 4/6. The shaded parts cover the same amount of a whole.

Accept equivalent wording for 6/6, such as 1 whole, if the student explains that all equal parts are colored. For the challenge, accept a clear explanation that 2/3 and 4/6 name the same shaded amount. For Apply 3 supply and observe the real equal pieces and whole-strip outline. Require the actual assembly, chosen pieces, matching shaded strip and fraction label; read directions or scribe the explanation as needed.

Fraction Model Mission

Apply 3: six equal sections make the whole; four shaded sections represent 4/6.

4/6

