LESSON MAKER PRO

Fraction Trail Quest

Name, compare, and locate fractions of one whole.

GRADE 3 · 3.NF.A

CCSS.Math.Content.3.NF.A "Develop understanding of fractions as numbers."

NAME _____ DATE _____

FRACTION PARTS

Fractions are numbers. A denominator names equal parts per whole, and a numerator counts those parts. On a number line, the distance from 0 to 1 is one whole. Fractions can be less than, equal to, or greater than 1.

WORKED EXAMPLE

A whole is split into 8 equal parts. 3 parts are selected. Write the fraction.

1. There are 8 equal parts, so write 8 as the bottom number.
2. There are 3 selected parts, so write 3 as the top number.
3. Put the numbers together: 3/8.

Answer: 3/8

PRACTICE 6 problems

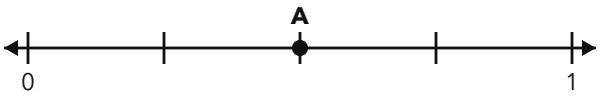
1 In the fraction 1/4, how many equal parts make one whole?

ANSWER _____

2 A ribbon is cut into 4 equal pieces. 2 pieces are used. Write the fraction of the ribbon that is used.

ANSWER _____

3 The distance from 0 to 1 is one whole, divided into four equal intervals. Write the fraction at point A.



ANSWER _____

4 Which fraction is greater: 1/6 or 5/6?

ANSWER _____

5 A whole is split into 6 equal parts. Write a fraction that names all of the parts.

ANSWER _____

6 Is 2/4 less than, equal to, or greater than 1/2?

ANSWER _____

APPLY IT Show your work

1 At robotics club, Ana finishes 2 of 6 equal steps for building a model. What fraction of the steps did she finish? Is that less than or greater than 1/2?

WORK SPACE

ANSWER

2 Leo has a snack tray divided into 6 equal sections. He eats 1 section. What fraction of the tray is left?

WORK SPACE

ANSWER

CHALLENGE One step up

Which fraction is closer to 1 whole, 5/6 or 2/4? Explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Trail Quest

GRADE 3 · 3.NF.A

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	In the fraction 1/4, how many equal parts make one whole?	**4**
2	A ribbon is cut into 4 equal pieces. 2 pieces are used. Write the fraction of the ribbon that is used.	**2/4**
3	The distance from 0 to 1 is one whole, divided into four equal intervals. Write the fraction at point A.	**2/4**
4	Which fraction is greater: 1/6 or 5/6?	**5/6**
5	A whole is split into 6 equal parts. Write a fraction that names all of the parts.	**6/6**
6	Is 2/4 less than, equal to, or greater than 1/2?	**equal to**

PART 2 · APPLY IT

1. **2/6, less than 1/2** Ana finished 2 of 6 equal steps, so the fraction is 2/6. Two sixths is less than one half.
2. **5/6** There are 6 equal sections in all, and 1 is eaten. That leaves 5 sections, so 5/6 is left.

CHALLENGE

5/6 is closer to 1 whole. It is 1/6 away from 1, while 2/4 is 2/4 away from 1.

For the number line item, accept 2/4 or 1/2. For the ribbon item, expect 2/4 because the whole is described as 4 equal pieces.