LESSON MAKER PRO

Fraction Trail Challenge

Plot, compare, and order fractions past one whole.

GRADE 4 · MA.4.FR.1.4

MA.4.FR.1.4 "Plot, order and compare fractions, including mixed numbers and fractions greater than one, with different numerators and different denominators."

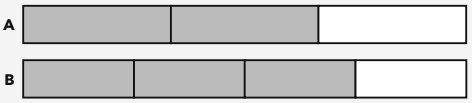
NAME _____ DATE _____

COMPARE ON A NUMBER LINE

To compare fractions with different denominators, rename them with a common denominator. You can also place fractions and mixed numbers on a number line, because numbers farther right are greater.

WORKED EXAMPLE

Which fraction model is greater, A or B?

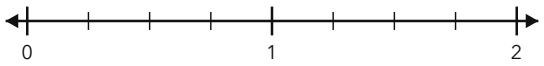


1. Model A shows 2/3. Model B shows 3/4.
2. Use 12 as a common denominator.
3. 2/3 = 8/12 and 3/4 = 9/12.
4. Since 9/12 is greater than 8/12, model B is greater.

Answer: B, 3/4

PRACTICE 6 problems

1 Use the number line. Mark a point at 1 1/4. Label it R.



ANSWER _____

2 Use <, >, or = to compare model P and model Q.



ANSWER _____

3 Order these fractions from least to greatest: 7/6, 11/12, 1 1/3.

ANSWER _____

4 Write <, >, or =. 9/10 ___ 13/15

ANSWER _____

5 Write <, >, or =. 2 1/7 ___ 15/7

ANSWER _____

6 Order these fractions from least to greatest: 4/9, 5/6, 7/18.

ANSWER _____

APPLY IT Show your work

1 In a racing game, Lila completed 1 5/8 laps in one round. Omar completed 1 5/6 laps. Who completed more laps?

WORK SPACE

ANSWER _____

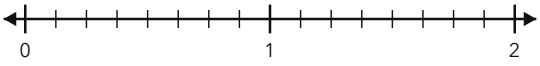
2 During a scooter challenge, Ava rode 1 7/10 laps, Ben rode 13/10 laps, and Carlos rode 1 11/20 laps. Order their distances from least to greatest.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Use the number line. Mark 7/8 and 1 3/8. Which number is closer to 1? Explain your reasoning.



WORK SPACE AND ANSWER

ANSWER KEY

Fraction Trail Challenge

GRADE 4 · MA.4.FR.1.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Use the number line. Mark a point at 1 1/4. Label it R.	**R at 1 1/4**
2	Use <, >, or = to compare model P and model Q.	**P < Q**
3	Order these fractions from least to greatest: 7/6, 11/12, 1 1/3.	**11/12, 7/6, 1 1/3**
4	Write <, >, or =. 9/10 ___ 13/15	**>**
5	Write <, >, or =. 2 1/7 ___ 15/7	**=**
6	Order these fractions from least to greatest: 4/9, 5/6, 7/18.	**7/18, 4/9, 5/6**

PART 2 · APPLY IT

1. **Omar completed more laps.** Compare the fractional parts: 5/6 is greater than 5/8. Both players completed one whole lap, so Omar's total is greater.
2. **Ben, Carlos, Ava** 13/10 = 1 3/10. Then compare 1 3/10, 1 11/20, and 1 7/10.

CHALLENGE

7/8 is closer to 1 because it is 1/8 from 1, while 1 3/8 is 3/8 from 1.

Accept equivalent fraction forms when they name the same value. For plotted points, accept a clearly placed mark on the correct tick and the requested label.