LESSON MAKER PRO

Fraction Lineup

Compare numbers on models

GRADE 4 · 4.N.3.3

4.N.3.3 "Use models to order and compare whole numbers and fractions less than and greater than one, using comparative language and symbols."

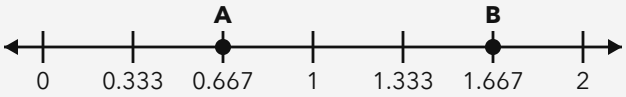
NAME _____ DATE _____

THE BIG IDEA

On a number line, a number farther right is greater. When you compare fractions, make sure the models show the same-sized whole.

WORKED EXAMPLE

Use the number line to compare 2/3 and 5/3 with <, >, or =.

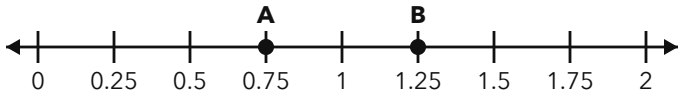


1. A marks 2/3, and B marks 5/3.
2. A is to the left of B.
3. The number farther left is smaller.

Answer: 2/3 < 5/3

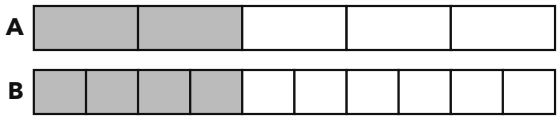
PRACTICE 6 problems

1 Write the fractions at A and B. Then compare them with <, >, or =.



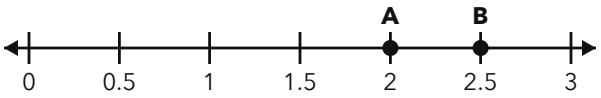
ANSWER _____

2 Write the shaded fraction for each bar. Then compare A and B with <, >, or =.



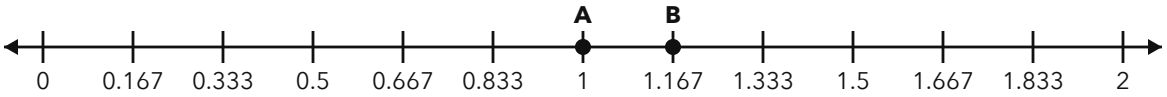
ANSWER _____

3 Write the numbers at A and B. Then compare them with <, >, or =.



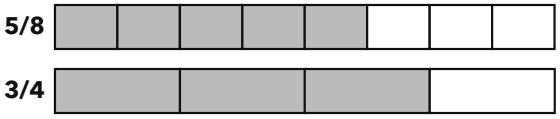
ANSWER _____

4 Use the number line to compare 7/6 and 1 with <, >, or =.



ANSWER _____

5 Use the bars to compare 5/8 and 3/4 with <, >, or =.



ANSWER _____

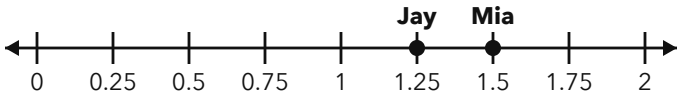
6 Write the fractions at A and B. Then compare them with <, >, or =.



ANSWER _____

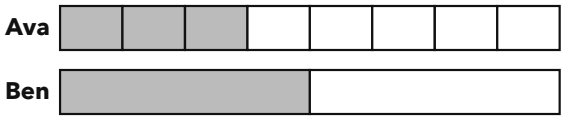
APPLY IT Show your work

1 Mia plays a video game for 3/2 hours. Jay plays for 5/4 hours. Who plays longer? Write a comparison with <, >, or =.



ANSWER _____

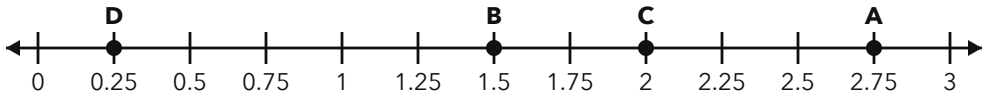
2 Ava uses 3/8 of a roll of tape for a poster. Ben uses 1/2 of an equally sized roll. Who uses more tape? Write a comparison with <, >, or =.



ANSWER _____

CHALLENGE One step up

Write the value at each letter. Order the four values from least to greatest, then explain your order in one sentence.



WORK SPACE AND ANSWER

ANSWER KEY

Fraction Lineup

GRADE 4 · 4.N.3.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write the fractions at A and B. Then compare them with <, >, or =.	**A = 3/4; B = 5/4; 3/4 < 5/4**
2	Write the shaded fraction for each bar. Then compare A and B with <, >, or =.	**A = 2/5; B = 4/10; 2/5 = 4/10**
3	Write the numbers at A and B. Then compare them with <, >, or =.	**A = 2; B = 5/2; 2 < 5/2**
4	Use the number line to compare 7/6 and 1 with <, >, or =.	**7/6 > 1**
5	Use the bars to compare 5/8 and 3/4 with <, >, or =.	**5/8 < 3/4**
6	Write the fractions at A and B. Then compare them with <, >, or =.	**A = 7/4; B = 9/4; 7/4 < 9/4**

PART 2 · APPLY IT

1. **Mia; 3/2 > 5/4** Mia's time is farther right on the number line, so 3/2 hours is greater than 5/4 hours.
2. **Ben; 3/8 < 1/2** One half of a roll is 4/8 of a roll. Since 3/8 < 4/8, Ben uses more.

CHALLENGE

A = 11/4, B = 3/2, C = 2, D = 1/4; 1/4 < 3/2 < 2 < 11/4. The values increase from left to right on the number line.

Accept equivalent fractions or mixed numbers for values read from number lines. Comparisons and the challenge order must remain correct.