LESSON MAKER PRO

Which Comes First?

Compare numbers written in different forms.

GRADE 6 · 6.N.1.2

6.N.1.2 "Compare and order positive rational numbers, represented in various forms, or integers using the symbols "<", ">", and "="."

NAME _____ DATE _____

MAKE THEM MATCH

To compare a fraction, decimal, and percent, rewrite them in the same form. For negative integers, the number farther left on a number line is smaller. Use <, >, or = to show how two numbers compare.

WORKED EXAMPLE

Compare 9/25 and 0.38 using <, >, or =.

1. Rewrite 9/25 with a denominator of 100: 9/25 = 36/100.
2. Write 36/100 as a decimal: 0.36.
3. Compare the decimals: 0.36 < 0.38.

Answer: 9/25 < 0.38

PRACTICE 6 problems

1 Write <, >, or = in the blank: 3/4 ___ 0.7

ANSWER _____

2 Write <, >, or = in the blank: 45% ___ 0.5

ANSWER _____

3 Write <, >, or = in the blank: 2/5 ___ 40%

ANSWER _____

4 Write <, >, or = in the blank: -6 ___ -2

ANSWER _____

5 Order 0.6, 5/8, and 58% from least to greatest.

ANSWER _____

6 Order -3, 1, -1, and 0 from greatest to least. Then explain why -1 is greater than -3.

ANSWER _____

APPLY IT Show your work

1 In a game, Maya has finished 3/4 of the levels, and Leo has finished 72%. Who has finished more? Write a comparison using <, >, or =.

WORK SPACE

ANSWER _____

2 At a winter festival, the morning temperature is -4°C and the evening temperature is -7°C. Which time is colder? Write a comparison using <, >, or =.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Four friends have finished these parts of a puzzle game: Ada, 65%; Bo, 2/3; Cy, 0.64; Dee, 13/20. Order the friends from least to greatest progress. Explain any ties.

WORK SPACE AND ANSWER

ANSWER KEY

Which Comes First?

GRADE 6 · 6.N.1.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write <, >, or = in the blank: 3/4 ___ 0.7	**>**
2	Write <, >, or = in the blank: 45% ___ 0.5	**<**
3	Write <, >, or = in the blank: 2/5 ___ 40%	**=**
4	Write <, >, or = in the blank: -6 ___ -2	**<**
5	Order 0.6, 5/8, and 58% from least to greatest.	**58% < 0.6 < 5/8**
6	Order -3, 1, -1, and 0 from greatest to least. Then explain why -1 is greater than -3.	**1 > 0 > -1 > -3. On a number line, -1 is to the right of -3.**

PART 2 · APPLY IT

1. **Maya; 3/4 > 72%** 3/4 = 75%, and 75% > 72%.
2. **Evening; -7°C < -4°C** -7 is less than -4, so the evening temperature is lower.

CHALLENGE

Cy < Ada = Dee < Bo. Ada and Dee are tied because 65% = 13/20. Bo has finished the most because 2/3 is greater than 65%.

Accept equivalent forms of correct comparisons. In the challenge, Ada and Dee may appear in either order if the answer clearly marks them as tied.