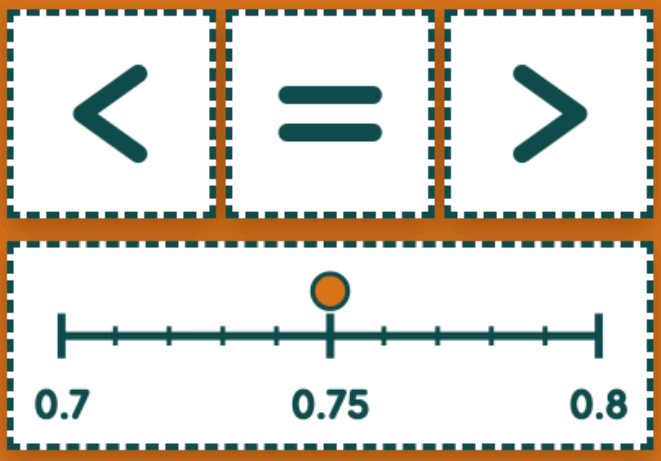
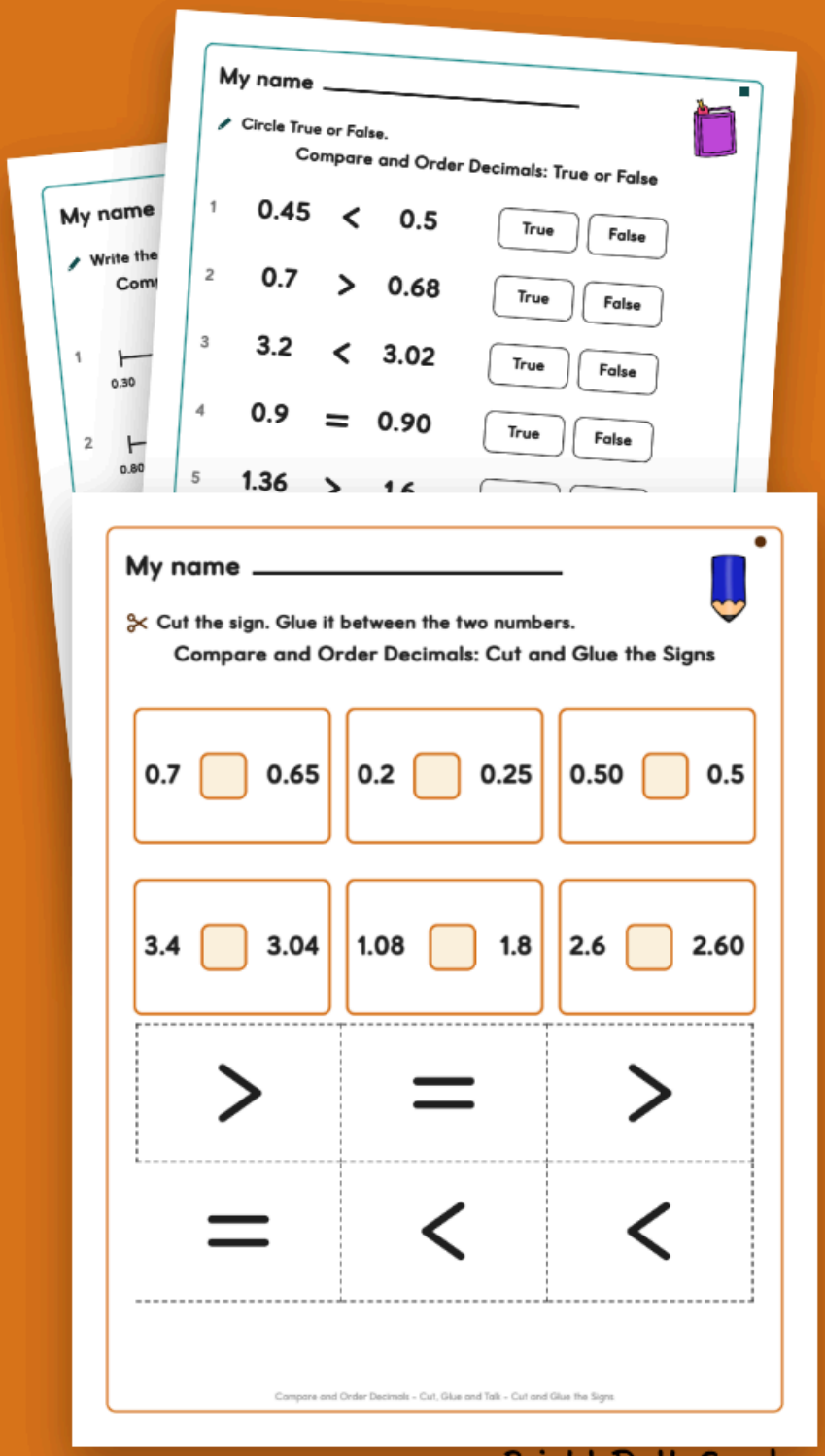
COMPARE AND ORDER DECIMALS

Signs, number lines and order. Grades 4-5



15 STUDENT SHEETS

ANSWER KEYS



Bright Path Sped

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Print at 100 percent

Turn off fit to page and shrink to fit so the pieces on the cutting pages stay big enough for small hands. Every page prints in color or in black and white.

Student work

A filled-in tracker carries a student's name. Keep it in the data folder, and use a first name only on any page that leaves your hands.

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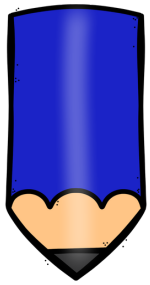
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PREVIEW

Binder Cover and Spine

Put this into the front of a binder or a folder. The spine strip is below it; the three divider tabs come before each section (pages 5, 10 and 17).







COMPARE AND ORDER DECIMALS

signs, number lines, order and true or false

Name

Class or group

School year

PREVIEW

Compare and Order Decimals - Bright Path Sped

Spine strip: fold it around the spine of a one-inch binder, or tape it flat to a folder edge.

My name _____



Read the examples. Then try these.

Compare and Order Decimals: How to Compare Decimals

Ones		Tenths	Hundredths		Ones		Tenths	Hundredths
0	.	4	0	>	0	.	3	5

0.4 is greater than **0.35**. Compare the digits from the left: ones first, then tenths, then hundredths.

Ones		Tenths	Hundredths		Ones		Tenths	Hundredths
0	.	7	0	=	0	.	7	0

0.7 is equal to **0.70**. Compare the digits from the left: ones first, then tenths, then hundredths.

> **The wide end faces the bigger number.** The point faces the smaller one. Zeros at the end do not change a decimal.

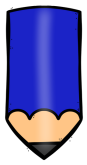
Your turn

2	.	6	0	<	>	=	2	.	0	6
0	.	5	8	<	>	=	0	.	6	0
4	.	9	0	<	>	=	4	.	0	9

Read each side from the left: ones, tenths, hundredths. Circle the sign that makes it true.

PREVIEW

My name _____



Circle the sign that makes it true.

Compare and Order Decimals: Compare With a Grid

Read each number from the left: ones, then the dot, then tenths and hundredths.

1 | 0 . 4 0 | < > = | 0 . 3 5 |

2 | 1 . 2 7 | < > = | 1 . 7 2 |

3 | 0 . 6 0 | < > = | 0 . 6 0 |

4 | 2 . 0 9 | < > = | 2 . 1 0 |

5 | 0 . 5 3 | < > = | 0 . 5 0 |

6 | 1 . 8 0 | < > = | 1 . 7 8 |

PREVIEW

My name _____



Circle the sign that makes it true.

Compare and Order Decimals: Compare Thousandths

Ones, the dot, then tenths, hundredths and thousandths.

1 | 0 | . | 3 | 7 | 5 | < | > | = | 0 | . | 3 | 8 | 0 |

2 | 1 | . | 2 | 0 | 4 | < | > | = | 1 | . | 2 | 4 | 0 |

3 | 0 | . | 5 | 0 | 0 | < | > | = | 0 | . | 5 | 0 | 0 |

4 | 2 | . | 0 | 4 | 6 | < | > | = | 2 | . | 4 | 6 | 0 |

5 | 0 | . | 8 | 0 | 9 | < | > | = | 0 | . | 8 | 0 | 0 |

6 | 3 | . | 0 | 7 | 5 | < | > | = | 3 | . | 0 | 5 | 7 |

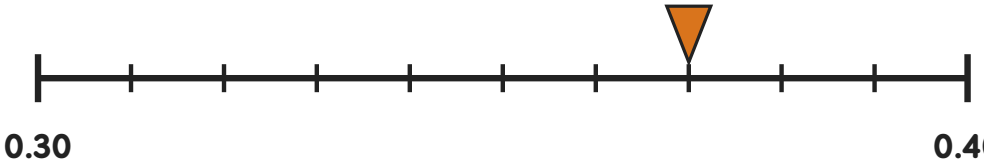
PREVIEW

My name _____

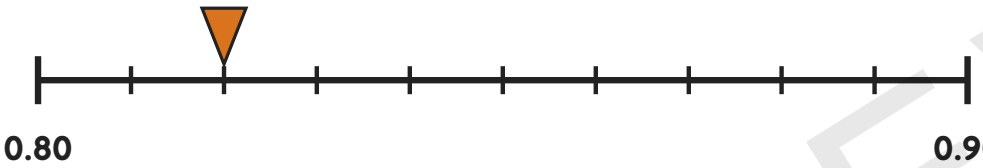
Write the number the arrow points to.

Compare and Order Decimals: Number Line: Read It

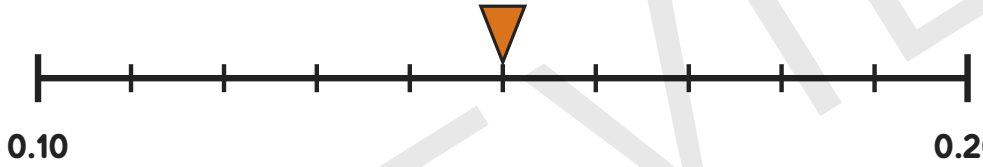
1



2



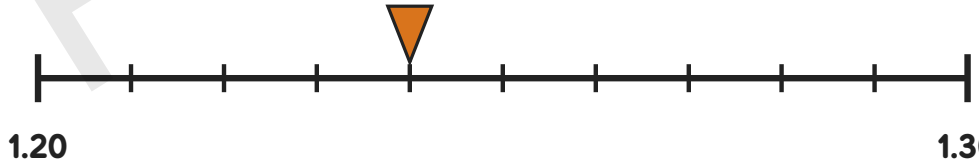
3



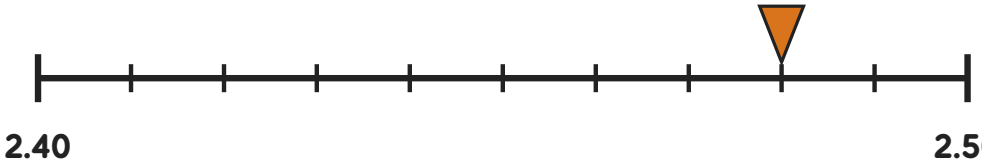
4



5

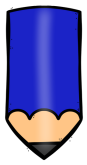


6



PREVIEW

My name _____



Write the numbers from least to greatest.

Compare and Order Decimals: Least to Greatest

1 | 0.4 | 0.35 | 0.9 | 0.08

Write them here: least → greatest

2 | 1.2 | 1.02 | 1.25 | 1.5

Write them here: least → greatest

3 | 0.6 | 0.59 | 0.61 | 0.06

Write them here: least → greatest

4 | 2.7 | 2.07 | 2.71 | 2.17

Write them here: least → greatest

5 | 3.5 | 3.45 | 3.05 | 3.54

Write them here: least → greatest

PREVIEW

Preview · Bright Path Sped

My name _____



Circle True or False.

Compare and Order Decimals: True or False

1	0.45	<	0.5	True	False
2	0.7	>	0.68	True	False
3	3.2	<	3.02	True	False
4	0.9	=	0.90	True	False
5	1.36	>	1.6	True	False
6	0.08	<	0.1	True	False
7	2.5	>	2.55	True	False
8	4.04	>	4.4	True	False

PREVIEW

Divider Tab 3 of 3

Put this sheet in front of the cut-and-glue pages, the blank pair page and the words page.



CUT, GLUE AND TALK

Cut and glue the signs and the numbers into order, a blank page for any two decimals, and the words to talk about them.

Pages 18-22

PREVIEW

My name _____



Cut the numbers. Glue them from least to greatest.

Compare and Order Decimals: Cut and Glue: Least First

1 least	2	3

4	5	6 greatest

0.6	0.09	0.9
0.5	0.3	0.45

PREVIEW

My name _____



Write any two decimals. Compare them.

Compare and Order Decimals: Your Own Pair

1 □ . □□□ □□□ □ . □□□

Least to greatest _____

2 □ . □□□ □□□ □ . □□□

Least to greatest _____

3 □ . □□□ □□□ □ . □□□

Least to greatest _____

4 □ . □□□ □□□ □ . □□□

Least to greatest _____

5 □ . □□□ □□□ □ . □□□

Least to greatest _____

PREVIEW

Answer Key 1

Each answer is for the problem number on its page. 0.4 and 0.40 name the same amount, so they are equal.

Page 7: Compare With a Grid

1) 0.4 > 0.35: **greater than**
2) 1.27 < 1.72: **less than**
3) 0.6 = 0.60: **equal to**
4) 2.09 < 2.1: **less than**
5) 0.53 > 0.5: **greater than**
6) 1.8 > 1.78: **greater than**

Page 8: Compare Standard Form

1) 0.40 = 0.4: **equal to**
2) 3.07 < 3.7: **less than**
3) 0.9 > 0.09: **greater than**
4) 5.6 > 5.58: **greater than**
5) 1.25 > 1.2: **greater than**
6) 0.06 < 0.6: **less than**

Page 9: Compare Thousandths

1) 0.375 < 0.38: **less than**
2) 1.204 < 1.24: **less than**
3) 0.5 = 0.500: **equal to**
4) 2.046 < 2.46: **less than**
5) 0.809 > 0.8: **greater than**
6) 3.075 > 3.057: **greater than**

Page 11: Number Line: Read It

1) **0.37** (the arrow is 7 ticks past 0.30)
2) **0.82** (the arrow is 2 ticks past 0.80)
3) **0.15** (the arrow is 5 ticks past 0.10)
4) **0.69** (the arrow is 9 ticks past 0.60)
5) **1.24** (the arrow is 4 ticks past 1.20)
6) **2.48** (the arrow is 8 ticks past 2.40)

Page 12: Number Line: Place It

1) **0.64**: the dot goes on tick 4 after 0.60
2) **1.39**: the dot goes on tick 9 after 1.30
3) **0.21**: the dot goes on tick 1 after 0.20
4) **3.46**: the dot goes on tick 6 after 3.40
5) **0.73**: the dot goes on tick 3 after 0.70

Page 15: True or False

1) 0.45 < 0.5: **True**
2) 0.7 > 0.68: **True**
3) 3.2 < 3.02: **False**
4) 0.9 = 0.90: **True**
5) 1.36 > 1.6: **False**
6) 0.08 < 0.1: **True**
7) 2.5 > 2.55: **False**
8) 4.04 > 4.4: **False**

How to mark a sign

- Line up the digits by place, from the left. The first place where two digits differ decides the sign, and the wide end faces the bigger number.
- Pairs such as 0.6 and 0.60 have no difference in any place, so the sign is equal.

PREVIEW

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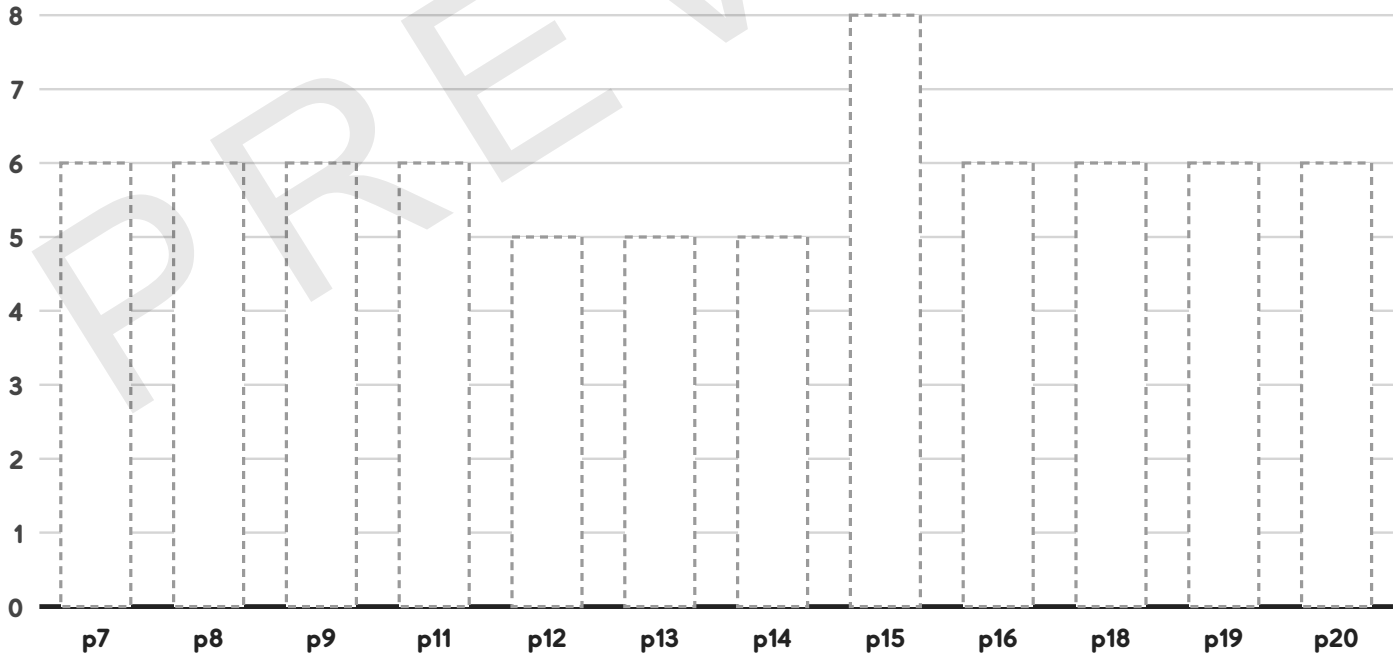
Tracker and Roll-Up

Write the date and how many were right. Then color the column for that sheet. A blank row means not done yet, never wrong.

Student _____ Teacher _____ School year _____

Page	Sheet	Date	Right	Out of	Notes
7	Compare With a Grid			6	
8	Compare Standard Form			6	
9	Compare Thousandths			6	
11	Number Line: Read It			6	
12	Number Line: Place It			5	
13	Least to Greatest			5	
14	Greatest to Least			5	
15	True or False			8	
16	Word Problems			6	
18	Cut and Glue the Signs			6	
19	Cut and Glue: Least First			6	
20	Cut and Glue: Big First			6	

Roll-up: color one column for each sheet, up to the number right. The dashed box is the most it can be.



Notes for the team

PREVIEW

Decimals at Home

Send this page home with a child, or hand it to a family at a conference.

Student _____ Week of _____

How to help at home, in three steps

- Find two numbers together: a race time, a rain gauge, a measuring cup, a ruler, a bag weight on a scale.
- Say which is greater, out loud. Start at the left: the ones first, then the tenths, then the hundredths.
- Write the two numbers in the boxes below, and draw the sign that makes it true.

Our family comparison

The two numbers we compared

Where we found them

_____

Which one is greater, and how we know

_____

_____

Three numbers, least to greatest

_____

Try saying

- "Which digit do you look at first? Why?"
- "Can you put these three in order, from the least to the greatest?"

Note from the teacher

Note from home

PREVIEW