


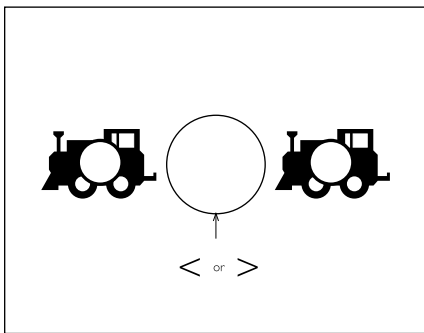
44. Comparing Trains with Inequality Signs

- MAKE A SET FOR A GIVEN NUMBER
- COMPARE SETS USING INEQUALITY TERMS AND SYMBOLS
- COMPARE ATTRIBUTES OF LENGTH

TEACHER NEEDS:
70 single blocks
7 small holders
blank worksheet

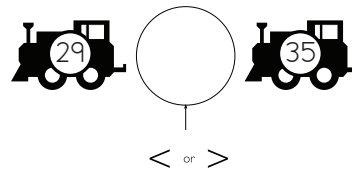
STUDENT NEEDS:
70 single blocks
7 small holders
worksheets

 20 minutes

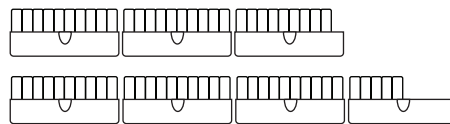


GROUP ACTIVITY:

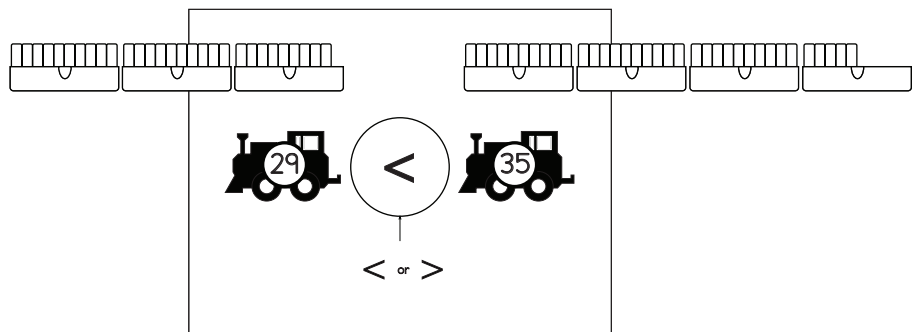
1. Display a copy of the blank worksheet. Fill in with the numbers 29 and 35.



2. Ask two students to make a train of 29. Ask another two students to make a train of 35.
3. Display the trains and write both inequality signs on a paper for students to see.



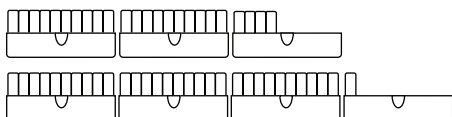
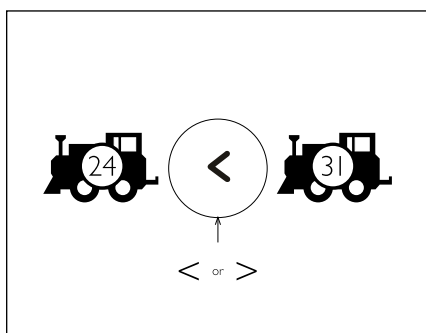
4. Ask a student to read the first sign $<$, "Is less than." Ask a student to read the second sign $>$, "Is greater than."
5. Ask which sign to put between the trains. ($29 < 35$)



6. Read the inequality with the students. "Twenty-nine is less than 35."
7. Put two more examples on the board. Explain that we read from left to right. $10 > 6$ must be read, "Ten is greater than six," not "Six is less than ten." $7 < 9$ must be read, "Seven is less than nine," not "Nine is greater than seven."

INDEPENDENT WORK:

1. On the first worksheet, students make a train with 24 blocks.
2. Students make a second train with 31 blocks.
3. Students compare the trains to determine which is longer. It may be helpful to line the trains up one above the other.
4. Students draw the correct inequality sign ($<$) in the circle between the engines.
5. Use the blank worksheet to make additional examples of varying levels of difficulty for different students and repeat the exercise using these worksheets.
6. Present the Extension worksheet once students have done several examples of the first worksheet correctly.



42	$>$	39
36	$<$	63
17	$<$	29
50	$>$	49
31	$>$	22
48	$>$	40
26	$<$	45
29	$<$	61

Extension worksheet

Assessment:

DOES THE STUDENT:

- make trains corresponding to each given number
- identify the longest train
- draw the correct inequality symbol

Differentiation:

REINFORCEMENT:

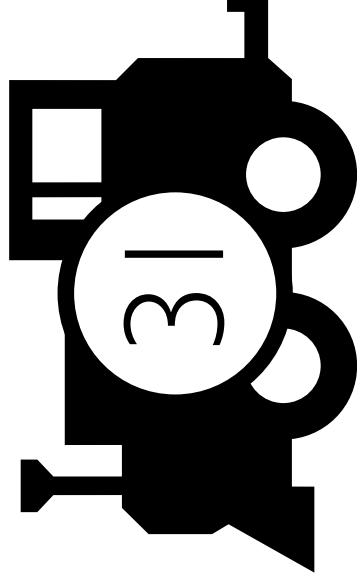
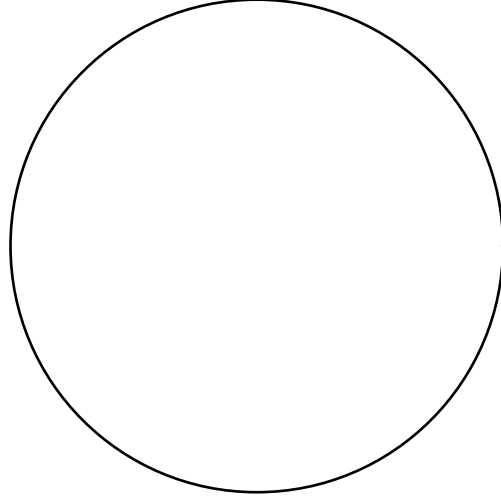
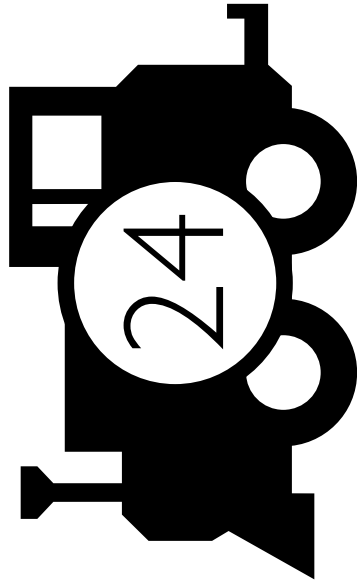
- Provide students with flashcards of the inequality signs to help them choose the correct sign. Then students can copy the symbol onto their worksheet.

EXTENSION:

- Give students several pairs of two-digit numbers and ask them to draw inequality signs between each pair without building the trains.

Name: _____

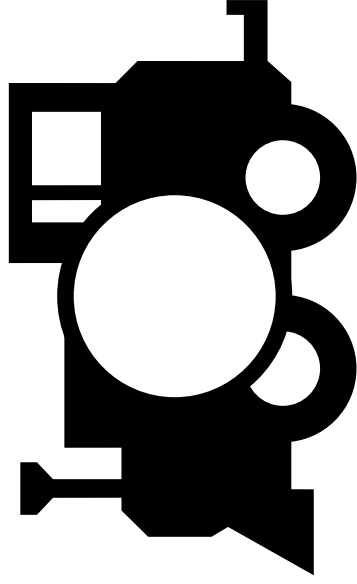
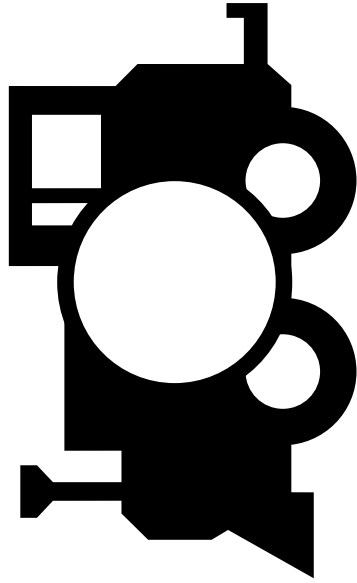
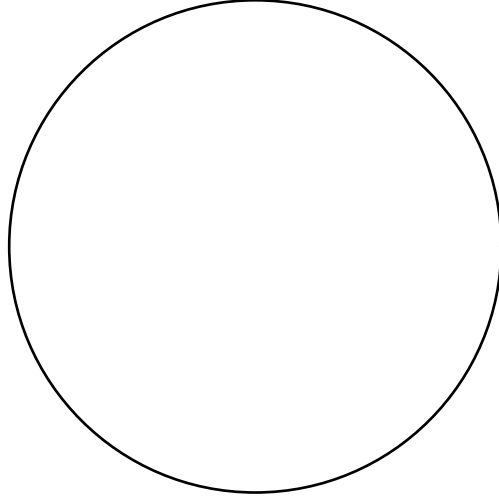
Build the trains. Draw the correct inequality sign in the circle.



$<$ or $>$

Name: _____

Build the trains. Draw the correct inequality sign in the circle.



\lt or \gt

Name: _____

Draw the correct inequality sign.

$42 \quad \bigcirc \quad 39$

$36 \quad \bigcirc \quad 63$

$17 \quad \bigcirc \quad 29$

$50 \quad \bigcirc \quad 49$

$31 \quad \bigcirc \quad 22$

$48 \quad \bigcirc \quad 40$

$26 \quad \bigcirc \quad 45$

$29 \quad \bigcirc \quad 61$