




# 21. One More Passenger - One Less Passenger: How Many are on the Train?




- COUNT TO NUMBERS IN THE 30'S
- COMPARE SETS USING ONE MORE AND ONE LESS

TEACHER NEEDS:  
train of 27

STUDENT NEEDS:  
40 - 60 single blocks  
small holders  
worksheets

 20 minutes

What is ONE LESS?		What is ONE MORE?
22		24
18		20
14		16

What is ONE LESS?		What is ONE MORE?
26		28
29		31
33		35

HELPFUL HINTS:  
Some students will be able to complete the worksheet without building a train for each problem, but counting the blocks on the train is good practice for those who need it.

GROUP ACTIVITY:

1. Show students a train of 27 blocks.
2. Ask, "How many are on the train?" Count together as a class. (27)
3. Ask "How can we find what is one more than 27?" (Add one block to the train and count again.)
4. Ask a student to add one more block (passenger) to the train and to count the train. (28)
5. Ask, "How many are on the train now?" (28) "So 28 is one more than 27."
6. Show students that if we take the block off the train, it will make it 27 again.
7. "How can we find what is one less than 27?" (Take one block off the train and count again.)
8. Ask a student to remove one block (passenger) from the train and to count the train.
9. Ask, "How many are on the train now?" (26) "So 26 is one less than 27."
10. Continue to add or to take off a single block at a time asking the question each time, "How many are on the train now?"

INDEPENDENT WORK:

1. Students build a train to match the given number on the first train.
2. Students add one block to that train and write the number in the space for "What is one more?"
3. Students remove that block to start again with the original number.
4. Students remove one block from that train and write that number in the space "What is one less?"

### *Assessment:*

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#### DOES THE STUDENT:

- build a train to match the picture
- determine the number of blocks on the given train
- write the number for one more and for one less than the given number

### *Differentiation:*

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#### REINFORCEMENT:

- If students need help writing the numbers review Lesson 2: *Introduction to Place Value - Full Cars and Leftover* to reteach writing a number by counting the full cars for the first digit and by counting the leftover blocks for the second digit.

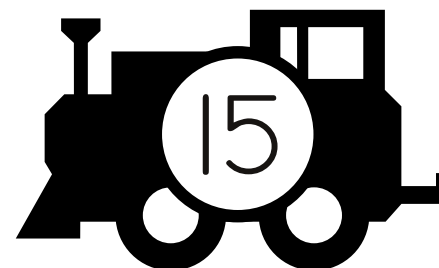
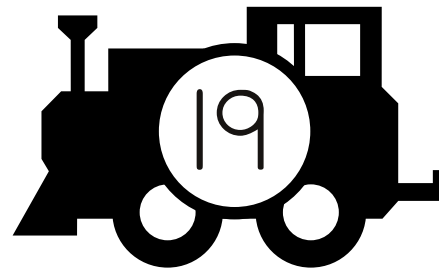
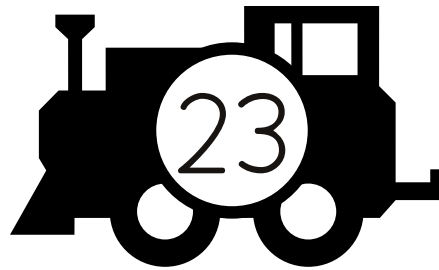
#### EXTENSION:

- For students who are ready, fill in the blank worksheet to indicate a chosen number more and less. For example, try two more and two less or five more and five less. Encourage students to build the given train first!
- Alternatively, fill in the more and less columns and have the student find the number that belongs on the train.

Name: \_\_\_\_\_

What is ONE LESS?

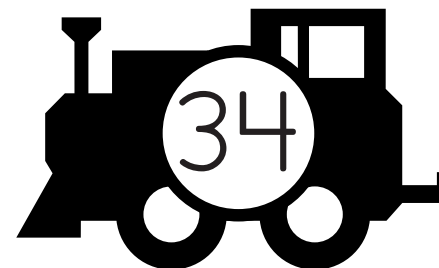
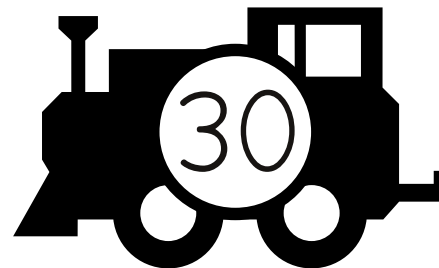
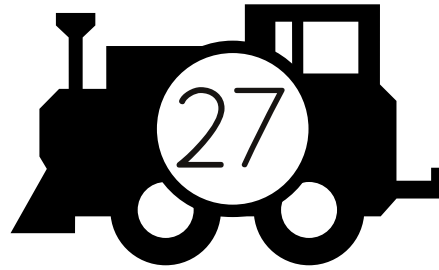
What is ONE MORE?



Name: \_\_\_\_\_

What is ONE LESS?

What is ONE MORE?



Name: \_\_\_\_\_

What is \_\_\_\_\_ LESS?

What is \_\_\_\_\_ MORE?

