

# 26. Combine Two Trains

## • COMBINE TWO QUANTITIES

### STUDENT NEEDS:

worksheets  
50 single blocks  
5 small holders

● 25 minutes

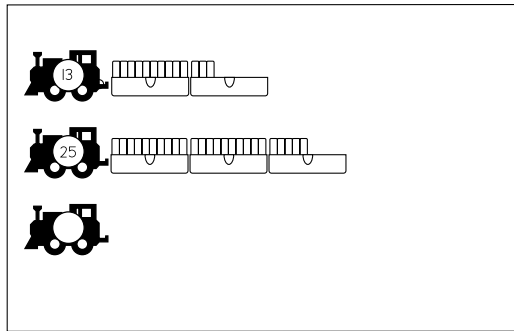
### HELPFUL HINTS:

There are several ways students can combine the two trains. At the beginning of this lesson, allow students to combine the trains in whatever way they would like – even if it seems inefficient – as long as they end up with a good train. (For instance, they may take the blocks out of one full car so they can load them into another car.) Allow students to discover for themselves the most efficient method of combining two trains to make a new good train. Ask, “How could you make a good train by moving the least amount of blocks?” (Take advantage of the full cars.)

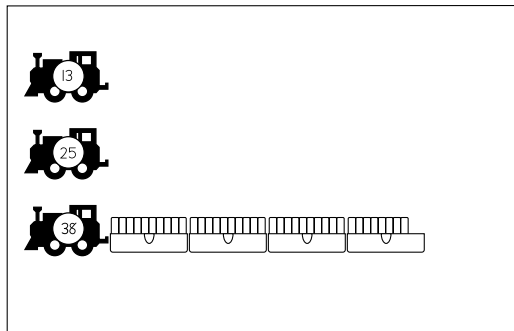
### GROUP ACTIVITY:

Use the given worksheet to model combining two trains using the following steps.

1. Build a train of 13 behind the first engine.
2. Build a train of 25 behind the second engine.
3. Combine all the blocks from both trains behind the third engine to make one good train.
4. Count the number of blocks in the train. (38)
5. Write the number 38 on the engine.



Students build trains for each number.



Students combine blocks to make one good train.

### INDEPENDENT WORK:

1. Students complete the additional problems. Use the blank template for additional problems.

NOTE: At this point, you may choose whether or not to introduce the word “addition,” or simply give the instructions “combine your trains.”

NOTE: The second example requires regrouping. The students do not need to know anything more than how to make good trains and how to count! Formal regrouping is taught in later lessons.

### Assessment:

DOES THE STUDENT:

- build trains with the correct number of blocks
- combine the trains to make one good train
- count the blocks in the combined train accurately
- write the correct number

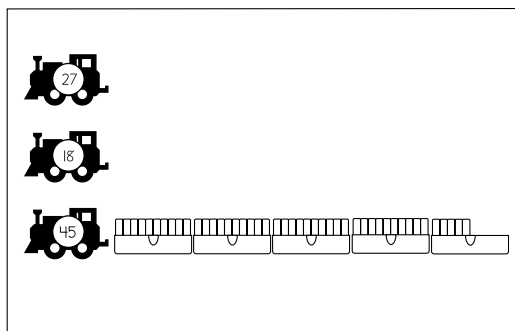
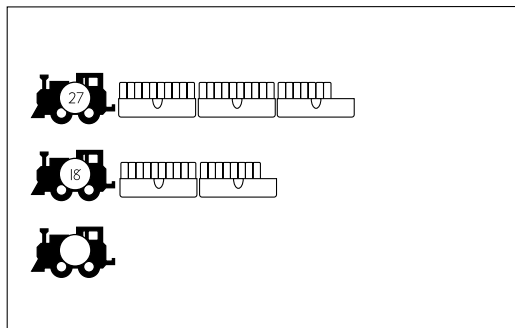
### Differentiation:

REINFORCEMENT:

- As students count the blocks on the train, ask them to count out loud by ones, then by tens.

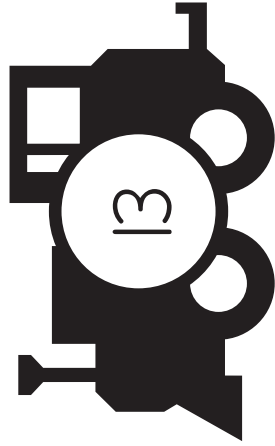
EXTENSION:

- Students make trains for two given numbers, for example, 15 and 12.
- Ask students, “This train has 15 blocks and this train has 12 blocks. Imagine you combine them, how many blocks will the new train have? Use your blocks to check your prediction.”



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

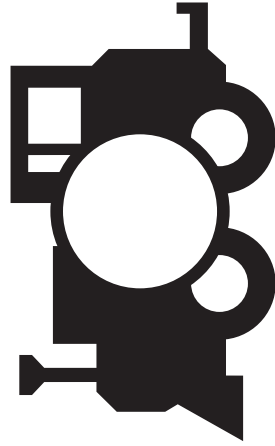
Build a train.



Build another train.



Put the blocks from both trains together to make one good train.  
Count the blocks and write the number in the circle on the "new train".

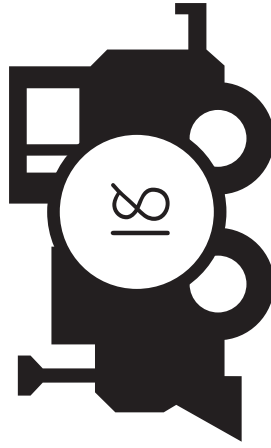


Name: \_\_\_\_\_

Build a train.



Build another train.

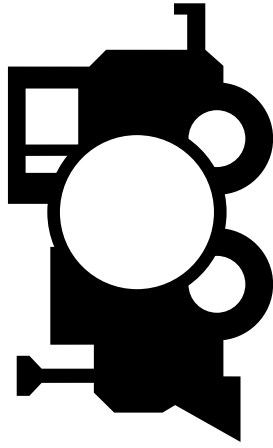


Put the blocks from both trains together to make one good train.  
Count the blocks and write the number in the circle on the "new train".

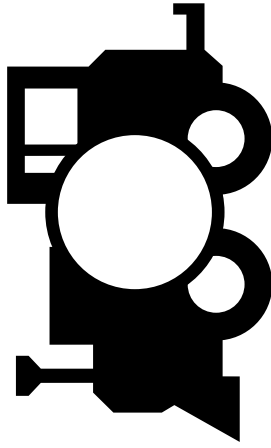


Name: \_\_\_\_\_

Build a train.



Build another train.



Put the blocks from both trains together to make one good train.  
Count the blocks and write the number in the circle on the "new train".

