

54. Subtracting with Trains: Getting Off the Train

- REPRESENT A QUANTITY WITH CONCRETE MATERIALS
- MODEL THE OPERATION OF SUBTRACTION WITH A CONCRETE MATERIAL
- REINFORCE THE OPERATION AND VOCABULARY OF SUBTRACTION
- WRITE NUMBER SENTENCES TO REPRESENT SUBTRACTION

STUDENT NEEDS:

single blocks
small holders
worksheet

 30 minutes

HELPFUL HINTS:

It is always important to note which students build their trains counting our single blocks and which ones reach for cars that are full from a previous activity. It is also important to notice how a student takes away the blocks. Does the student count by ones or does the student take full cars for the tens?

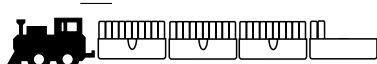
GROUP ACTIVITY:

Do as many examples with the whole group as needed.


1. Students build a train for a given number, the minuend (the larger or first number in a subtraction problem).
2. Students take the number of blocks indicated by the second number off the train, the subtrahend (the smaller or second number in a subtraction problem).
3. Students count the number of blocks left on the train to find the **difference** (the answer to a subtraction problem).
4. Students record the **difference** on the worksheet.

Name: _____

Make a train with 32 blocks:



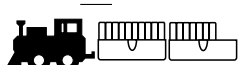
Give 15 to the next train:



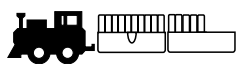
How many are left on the first train?

Name: _____

Make a train with 32 blocks:



Give 15 to the next train:



How many are left on the first train?

Assessment:

DOES THE STUDENT:

- build the correct quantity for the initial train
- take off the given number of blocks
- record the difference

Differentiation:

REINFORCEMENT:

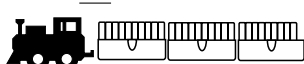
- Keep small groups together all working on the same problem.

EXTENSION:


- Use larger numbers for students who are ready.

Name: _____

Make a train with 29 blocks:



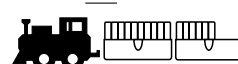
Give 13 to the next train:



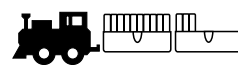
How many are left on the first train?

Name: _____

Make a train with 29 blocks:



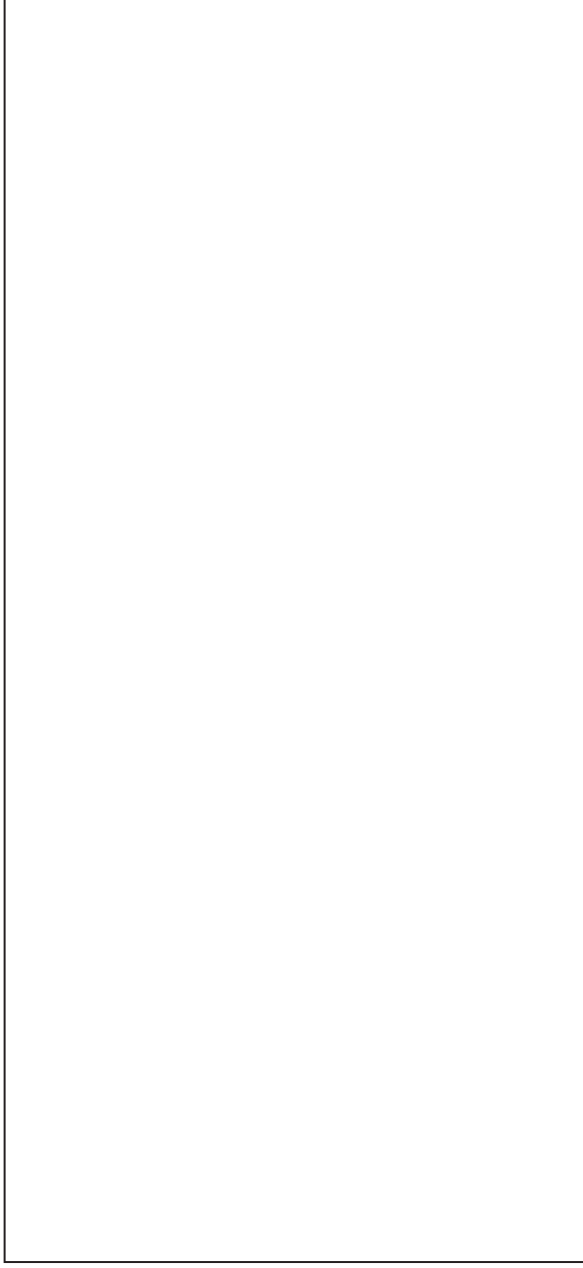
Give 13 to the next train:



How many are left on the first train?

Name: _____

Make a train:



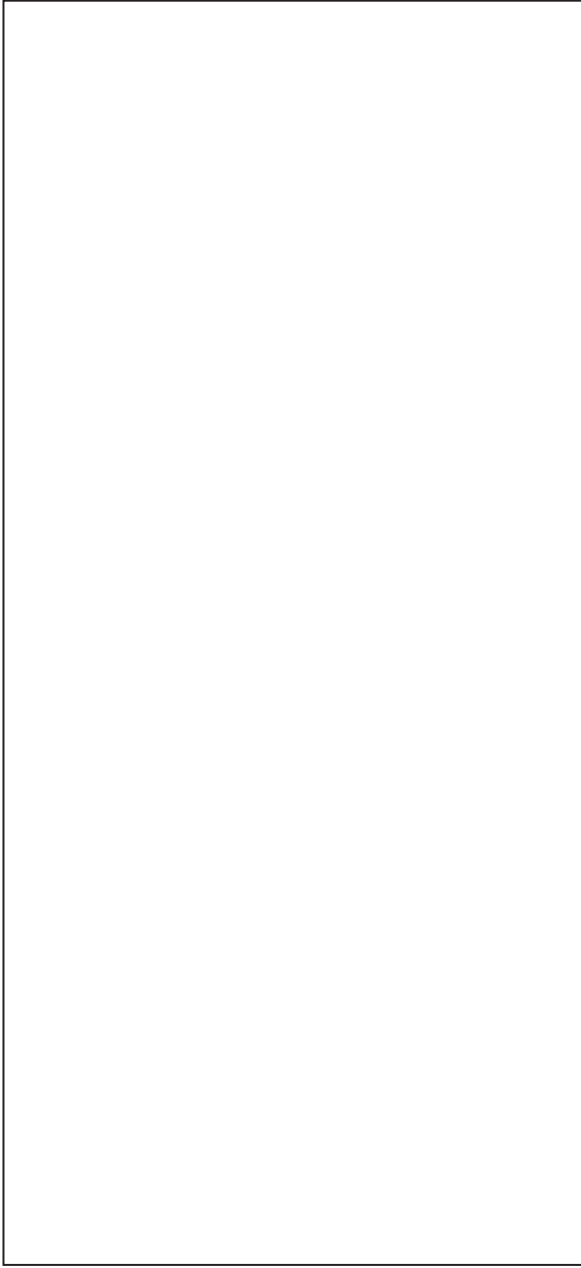
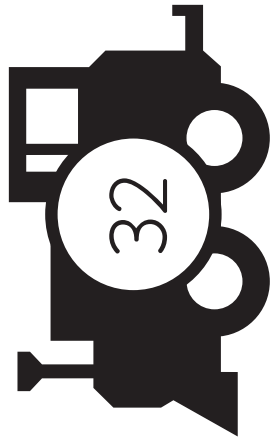
Take 3 off the train:

How many are left on the train?

$$29 - 3 = \underline{\quad}$$

Name: _____

Make a train:



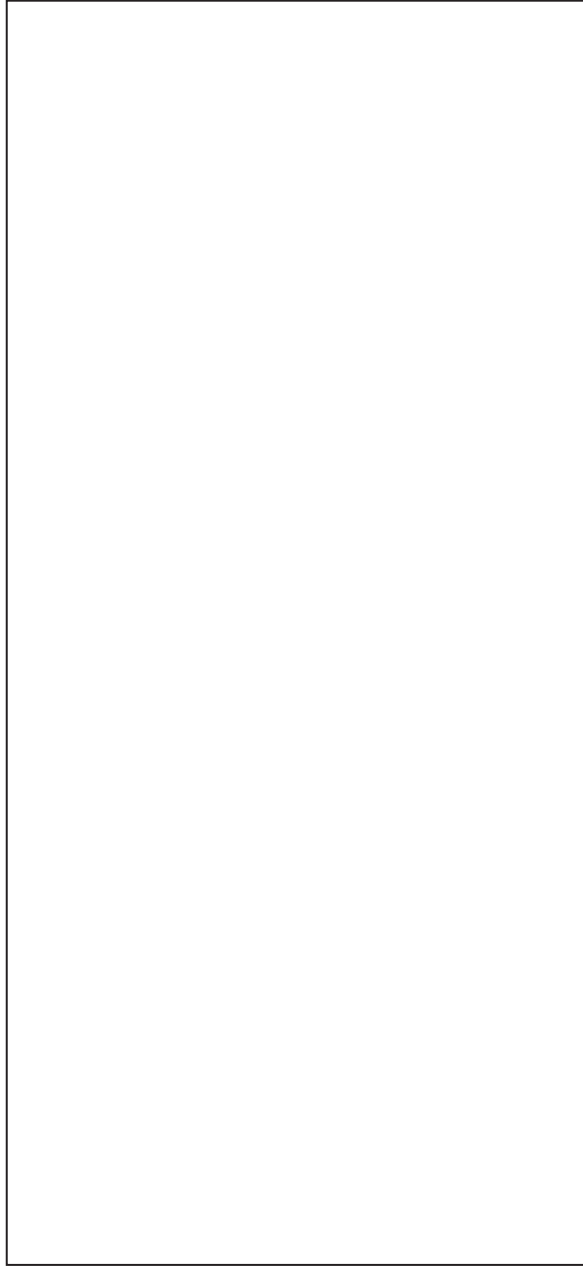
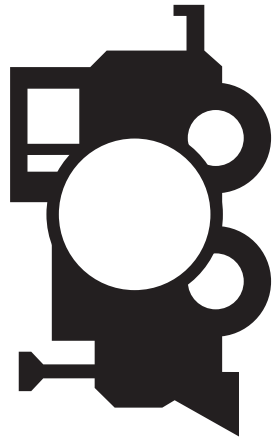
Take 15 off the train:

How many are left on the train?

$$32 - 15 = \underline{\quad}$$

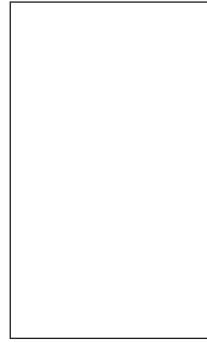
Name: _____

Make a train:



Take _____ off the train:

How many are left on the train?



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