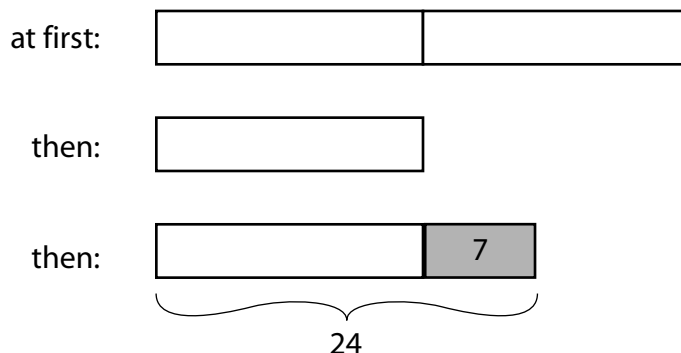
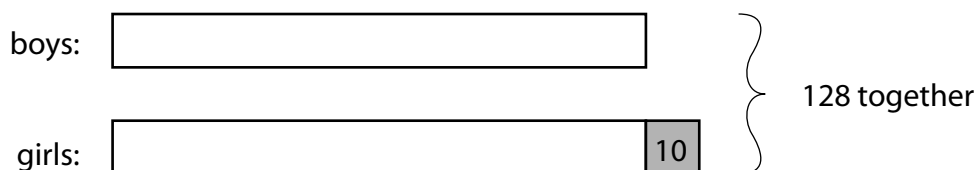


Mixed Problems

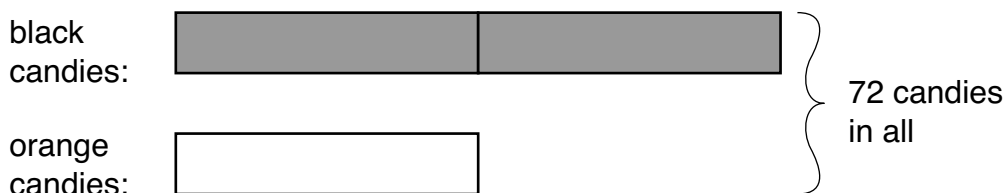
1. There are 10 pounds of apples in a bucket. 6 pounds of apples are removed from the bucket. Then another 4 pounds of apples are put into the bucket. Now how many pounds of apples are in the bucket?
2. There are 9768 pickles to be put into jars. Each jar will have 7 pickles in it. How many jars of pickles can be made? Will any pickles be left over?
3. Chris had some candies. After he ate $\frac{1}{2}$ of his candies, he got another 7 candies. Then Chris had 24 candies. How many candies did Chris have at first? See if you can use the picture to help you solve the problem. Show your work.



4. Carla had 4 bags of candies with 144 candies in each bag and another 4 bags of candies with 150 candies in each bag. How many candies did Carla have all together? Show your work.
5. There were 128 students at a dance. If there were 10 more girls than boys, how many boys were at the dance? See if you can use the picture to help you solve the problem. Show your work.



6. A company had 1000 muffins. They put the muffins into bags with 6 muffins in each bag. Then they put the bags of muffins into boxes, with 4 bags in each box. How many boxes of muffins could the company make? How many bags of muffins and how many individual muffins were left over? Show your work.
7. A bakery has 1000 muffins that will be put into bags. Each bag is filled with 8 muffins. The bags of muffins will then be put into boxes. Each box is filled with 4 bags. How many boxes of muffins will there be? Will any muffins or bags of muffins be left over? Show your work.
8. Kwan had \$25. Kwan bought 6 candy bars and 4 pens. Each candy bar cost \$1.50. Each pen cost \$2. There was no tax. How much money does Kwan have left? Show your work.



9. There were 72 candies in a bag. Some of the candies were black and the rest were orange. If there were twice as many black candies as orange candies, how many orange candies were in the bag? See if you can use the picture to help you solve the problem. Show your work.
10. There were 5 dogs. Each dog had 5 puppies. Each puppy had 5 fleas. How many fleas were there? Explain your work.
11. Jessica had some candies. After she ate $\frac{1}{2}$ of her candies, she got another 5 candies. Then Jessica had 23 candies. How many candies did Jessica have at first? Show your work.
Answer: _____
12. Four friends want to share \$136.28 equally. How much should each friend get?
13. Your favorite kind of pants cost \$32. How many of those pants can you buy if you have \$137.50 to spend? Will you have any money left over? Show your work.
Number of pants you can buy: _____ Amount of money left over: _____
14. (a) A turkey dinner costs \$7. A charity has \$1000 to spend on turkey dinners. How many turkey dinners can the charity buy for \$1000? Will there be any money left over? Show your work.
Number of turkey dinners the charity can buy: _____
Amount of money left over: _____
- (b) A turkey dinner costs \$7. How much will 185 turkey dinners cost? Answer: _____

[The following hints were given to the students after they attempted the problems. Students were then allowed to work on the problems some more.] The multiplication problem 11×500 tells us the total amount in 11 groups of 500.

The division problem $11 \overline{)500}$ can tell us how many groups of 11 there are in 500 or it can tell us how much is in each group if we divide 500 things equally among 11 groups.

If we want to know how many 7s there are in 1000, should we add, subtract, multiply, or divide?

If we want to know the total amount in 185 groups of 7, should we add, subtract, multiply, or divide?