

3-6 Practice**Writing Two-Step Equations**

Translate each sentence into an equation. Then find each number.

1. Eight less than 7 times a number is -29 .
2. Twenty more than twice a number is 52.
3. The difference between three times a number and 11 is 10.
4. One more than the difference between 18 and seven times a number is -9 .
5. Eight times a number plus 6 less than twice the number is 34.
6. 26 more than the product of a number and 17 is -42 .
7. Twelve less than the quotient of a number and 8 is -1 .

Solve each problem by writing and solving an equation.

8. **ANIMAL TRAINING** Last summer, Gary trained 32 more dogs than Zina. Together they trained 126 dogs. How many dogs did Gary train?
9. **SALES** Julius sold five times as many computers as Sam sold last year. In total, they sold 78 computers. How many computers did Julius sell?
10. **TRACK** In one season, Ana ran 18 races. This was four fewer races than twice the number of races Kelly ran. How many races did Kelly run?
11. **BASEBALL** André hit four more home runs than twice the number of home runs Larry hit. Together they hit 10 home runs. How many home runs did André hit?