

Name: _____

Date: _____

Algebra I

Directions Solve algebraically using a let statement and an equation with a variable.

1. Kellenberg High School ran a fundraiser between homerooms. After the freshman, sophomore and juniors raised \$5,213 collectively, the seniors raised their own amount to reach a total of \$8,421. How much did the seniors raise?
2. KMHS had a new freshman class of 642 students. This is 143 more students than were admitted last year. How many were admitted last year?
3. If 6 is subtracted from a number, the result is 26. Find the number.
4. Eleven less than a number is 32. Find the number.
5. Twelve years ago, Maggie was 5 years old. How old is she now?

6. Brian traveled 4 times as far as Joanne. If Brian traveled 260 miles, how far did Joanne travel?

7. After the price of a computer decreased \$125, it was sold for \$1,589. What was the original price?

8. If 30 is added to half a number the result is 90. Find the number.

9. If 7 times a number is decreased by 12, the result is the same as when 14 is subtracted from 8 times the number. Find the number.

10. Michael earned \$450 for 3 days worth of work. How much would he earn each day?