

Forming Linear equations

1.	If 28 less than five times a certain number is 232. What is the number?
2.	Fifteen more than three times a number is the same as ten less than six times the number. What is the number
3.	The perimeter of a rectangle is 44. The length is 5 less than double the width. Find the dimensions.
4.	The sum of three consecutive even numbers is 246. What are the numbers?



5.	The second angle of a triangle is double the first. The third angle is 40 less than the first. Find the three angles.
6.	Aaron had 7 tims as many sheep as Beth, and both together had 608. How many sheep had each?
7.	The total cost for tuition plus room and board at State University is 2,584 dollars. Tuition costs 704 dollars more than room and board. What is the tuition fee?
8.	If Mr. Brown and his son together had 220 dollars, and Mr. Brown had 10 times as much as his son, how much money had each?



Answers

- 1. The number is 52.
- **2.** 25/3
- **3.** The dimensions of the rectangle are 9 by 13.
- **4.** 80, 82, and 84
- **5.** 55, 110, and 15
- **6.** 76, 532
- **7.** 1644
- **8.** 20, 200