



Write equations with variables

Grade 5 Math Word Problems Worksheet

1. The train was scheduled to leave at 50 minutes after noon but due to maintenance, the train left a minutes later than the scheduled time. At the end, the train left 85 minutes after noon. Find a .
2. A flight has 194 seats. After n tickets are sold for this flight, 38 seats are available. Find n .
3. Each passenger can bring 2 pieces of luggage with a weight of up to d kilograms. The maximum weight each passenger can carry is 70 kilograms. Find d .





- A train has e cars and can take 464 passengers. Each car can take up to 116 passengers. Find e .
- There are 280 passengers taking a bus route everyday. In b days, there are total of 1,400 passengers. Find b .
- To encourage people to take the bus, the bus company offers a round trip ticket. One-way bus fare is $\$f$ and a round-trip ticket cost $\$13$, which gives passengers a discount of $\$3$. Find f .



Answers

1. $a + 50 = 85$
 $a = 35$
2. $194 - n = 38$
 $n = 156$
3. $2d = 70$
 $d = 35$
4. $\frac{464}{e} = 116$
 $116e = 464$
 $e = 4$
5. $280d = 1400$
 $d = 5$
6. $2f - 3 = 13$
 $2f = 16$
 $f = 8$