

Translating English into Math Language and Vice Versa

Translate the following phrases into mathematical expressions or equations

1. Six less than twice a number is forty five.
2. A number minus seven yields ten
3. A total of six and some number
4. Twelve added to a number
5. Eight times a number is forty-eight
6. The produce of fourteen and a number
7. Twice a number minus eight
8. The quotient of a number and seven is two
9. Three-fourths of a number
10. The product of a number and ten is eighty
11. Eight less than a number is five
12. How many times does five go into twenty?

Answers

1. $2x - 6 = 45$
2. $x - 7 = 10$
3. $6 + x$
4. $x + 12$
5. $8x = 48$
6. $14x$
7. $2x - 8$
8. $x/7 = 2$
9. $\frac{3}{4}x$
10. $10x = 80$
11. $x - 8 = 5$
12. $20/5 = x$

(more)

Translate the mathematical expression into English

1. $x + 12 = 8$
2. $3x = 15$
3. $x/15$
4. $10/x$
5. $x - 6$
6. $5(x + 4)$
7. $2(x-3)=12$
8. $7/x$
9. $(6 - x)/9$
10. $4(12+y)$

Answers

1. Twelve added to a number is the same as eight
2. Three times a number equals fifteen
3. The ratio of a number to fifteen
4. Ten divided by a number
5. Six subtracted from a number
6. Five times the sum of a number and four
7. Twice the difference of a number and three totals twelve
8. The quotient of a seven and a number
9. The difference between six and a number divided by nine
10. Four times the sum of twelve and y