

2.5a Translate to an Algebraic Expression

Addition

- _____ 1. The **sum** of a and 8
- _____ 2. 4 **plus** c
- _____ 3. 16 **added to** m
- _____ 4. 20 **more than** f
- _____ 5. T **increased by** r

Division

- _____ 1. The **quotient of** r and 19
- _____ 2. x **divided by** d
- _____ 3. The **ratio of** c to d
- _____ 4. The price p **per** gallon g

Subtraction

- _____ 1. The **difference of** 23 and p
- _____ 2. 550 **minus** h
- * _____ 3. W **less than** 25
- _____ 4. 7 **decreased by** j
- _____ 5. M **reduced by** x
- * _____ 6. 12 **subtracted from** l

Mixed Practice

- _____ 1. Eight more than one – fourth of d
- _____ 2. Five less than twice a number
- _____ 3. Seven increased by the product of two numbers
- _____ 4. one half of some number
- _____ 5. A number m plus six times n
- _____ 6. The sum of m and n
- _____ 7. Thirty-four divided by x
- _____ 8. The quotient of two numbers subtracted from 20
- _____ 9. The product of six and three less than the number
- _____ 10. Twice the sum of a number and eight

Multiplication

- _____ 1. The **product of** 4 and x
- _____ 2. 20 **times** b
- _____ 3. **Twice** x
- _____ 4. $\frac{3}{4}$ **of** m
- _____ 5. 7 **multiplied by** x

Words indicating equality, = : is the same as, equal, is, are

Let n represent the **number** and translate each phrase or sentence.

1. Four more than a number.
2. Four times a number
3. Four less than a number
4. A number increased by four
5. A number decreased by four
6. The product of four and a number
7. Six more than five times a number
8. Six less than five times a number
9. Nine less than twice a number
10. A number divided by 7
11. The product of a number and seven more than the number
12. The product of a number and seven less than the number
13. Eight less than twice a number is fourteen.
14. One less than three times a number is seven.
15. Four more than five times a number is two less than the number.
16. Ten less than a number is three more than six times the number.
17. Twice the sum of a number and 3 is 20.