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

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

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

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

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
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.  
   11. The product of a number and seven more than the number

2. Four times a number  
   12. The product of a number and seven less than the number

3. Four less than a number  
   13. Eight less than twice a number is fourteen.

4. A number increased by four  

5. A number decreased by four  
   14. One less than three times a number is seven.

6. The product of four and a number  
   15. Four more than five times a number is two less than the number.

7. Six more than five times a number  

8. Six less than five times a number  
   16. Ten less than a number is three more than six times the number.

9. Nine less than twice a number  
   17. Twice the sum of a number and 3 is 20.

10. A number divided by 7