

HANDS-ON EQUATIONS® VERBAL PROBLEMS

To the teacher: The following problems may be solved using the Hands-On Equations® kit. the student can solve a problem mentally, or by guessing and checking, such a solution should be accepted.

1. Three times a number, increased by 1, is 25. Find the number.
2. If 3 is added to twice a number, the result is 17. Find the number.
3. 3 more than six times a number is 15. Find the number.
4. When a number is increased by 8, the result is 13. Find the number.
5. Four times a number, increased by 3, is the same as twice the number, increased by 9. Find the number.
6. Three times a number, increased by 7, gives the same result as four times the number, increased by 5. Find the number.
7. If 7 is added to twice a number, the result is the same as if 11 is added to the number itself. Find the number.
8. 3 more than five times a number, is the same as 18 more than twice the number. Find the number.
9. Sally is 4 years older than Tim. Together, the sum of their ages is 20. How old is each?
10. James is three times as old as Carmen. Together, their ages add up to 24. How old is each?
11. *Jim is 2 years older than 3 times his little brother, Tommy. Together, their ages add to 18. How old is each?
12. *John is 6 years older than Kathy. Together, their ages equal four times Kathy's age. How old is each?
13. Four times a number, diminished by 6, yields the same result as twice the same number increased by 4. Find the number. (Assumes completion of Level III)