



Translate each problem into algebraic expressions. Use the variable x for the unknown. Shade the part of the picture that has the answer. Lucky are you, if you shade in the correct puzzle parts without a mistake.

1.) The sum of four times a number and 5.

$4x+5$

2.) 11 increased by twice a number.

$11+2x$

3.) 15 decreased by a number.

$15-x$

4.) The quotient of a number and 7.

$\frac{x}{7}$

5.) Three times Bob's age.

$3x$

6.) The speed of an airplane diminished by 50.

$x-50$

7.) Six less than 4 times the cost of a record.

$4x-6$

8.) Bob's age 10 years ago.

$x-10$

9.) Bob's age 17 years from now.

$x+17$

10.) Half a number less 13.

$\frac{x}{2}-13$

11.) Seven more than the product of a number and 6.

$6x+7$

12.) 2 less than 3 times Bob's age.

$3x-2$

13.) 18 more than the speed of a car.

$x+18$

14.) The product of a number increased by 6 and the same number decreased by 5.

$(x+6)(x-5)$

15.) The product of a number and 6 more than the number.

$x(x+6)$

16.) One third of the sum of a number and 7.

$\frac{1}{3}(x+7)$

17.) 9 less than 5 times Bob's age.

$5x-9$

18.) 4 times a number diminished by 15.

$4x-15$

19.) 13 greater than twice Bob's age.

$2x+13$

20.) 6 increased by one-fifth the speed of a jumbo jet.

$6+\frac{1}{5}x$