

## Translate Phrases into Math Expressions I - KEY

Translate the following phrases into mathematical expressions.

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|---|---|
| 1. The sum of a number and ten.                           | 1. $x + 10$                                 |
| 2. Eighteen more than a number.                           | 2. $x + 18$                                 |
| 3. Five less than a number.                               | 3. $x - 5$                                  |
| 4. The product of a number and three.                     | 4. $x \cdot 3$ or $3x$                      |
| 5. The difference of a number and seven.                  | 5. $x - 7$                                  |
| 6. The difference of seven and a number.                  | 6. $7 - x$                                  |
| 7. Two more than a number.                                | 7. $x + 2$                                  |
| 8. Sixteen less than twice a number.                      | 8. $2x - 16$                                |
| 9. Five times the sum of a number and four.               | 9. $5(x + 4)$                               |
| 10. Three times the difference of a number and one.       | 10. $3(x - 1)$                              |
| 11. The quotient of a number and six.                     | 11. $\frac{x}{6}$                           |
| 12. Two-thirds of a number.                               | 12. $\frac{2}{3} \cdot x$ or $\frac{2}{3}x$ |
| 13. Eight more than a twice a number.                     | 13. $2x + 8$                                |
| 14. The difference of a number and eight, divided by ten. | 14. $\frac{x - 8}{10}$                      |
| 15. Three more than the sum of a number and four.         | 15. $(x + 4) + 3$                           |
| 16. Double the difference of a number and seven.          | 16. $2(x - 7)$                              |
| 17. Nine less than the product of a number and two.       | 17. $2x - 9$                                |
| 18. The quotient of two and three more than a number.     | 18. $\frac{2}{x + 3}$                       |
| 19. The product of triple a number and five.              | 19. $3x \cdot 5$                            |
| 20. Sixteen less than the sum of three and a number.      | 20. $(3 + x) - 16$                          |