

Matching Expressions to their Descriptions Activity

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| Three times the sum of a number and 5. | Five less than half of a number. | Eight less than four times a number. |
| Twice the sum of a number and seven. | Ten less than five times a number cubed. | Four times the difference of a number squared and six. |
| The product of 4 and the square of a number decreased by 6. | Four less than the difference of a number squared and six. | Ten less than a number cubed. |
| The sum of twice a number and 7 | The sum of three times a number and 5. | The difference of 5 and half of a number. |
| Three times the difference of a number cubed and 10. | Two times the sum of a number and five. | Four less than the difference of twice a number and six. |

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| A. $3(x + 5)$ | B. $3x + 5$ | C. $\frac{1}{2}x - 5$ | D. $x^3 - 10$ |
| E. $5 - \frac{1}{2}x$ | F. $4x - 8$ | H. $8 - 4x$ | I. $3(x^3 - 10)$ |
| J. $2(x + 7)$ | K. $2x + 7$ | L. $5x^2 - 10$ | M. $5x^3 - 10$ |
| N. $4(x^2 - 6)$ | O. $2x - 5$ | P. $2(x + 5)$ | Q. $(x^2 - 6) - 4$ |
| R. $4x^2 - 6$ | S. $2x - 6$ | T. $2(x - 6)$ | U. $(2x - 6) - 4$ |

Answer Key

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| <p>A. $3(x + 5)$ Three times the sum of a number and 5.</p> | <p>C. $\frac{1}{2}x - 5$ Five less than half of a number.</p> | <p>F. $4x - 8$ Eight less than four times a number.</p> |
| <p>J. $2(x + 7)$ Twice the sum of a number and seven.</p> | <p>M. $5x^3 - 10$ Ten less than five times a number cubed.</p> | <p>N. $4(x^2 - 6)$ Four times the difference of a number squared and six.</p> |
| <p>R. $4x^2 - 6$ The product of 4 and the square of a number decreased by 6.</p> | <p>Q. $(x^2 - 6) - 4$ Four less than the difference of a number squared and six.</p> | <p>D. $x^3 - 10$ Ten less than a number cubed.</p> |
| <p>K. $2x + 7$ The sum of twice a number and 7</p> | <p>B. $3x + 5$ The sum of three times a number and 5.</p> | <p>E. $5 - \frac{1}{2}x$ The difference of 5 and half of a number.</p> |
| <p>I. $3(x^3 - 10)$ Three times the difference of a number cubed and 10.</p> | <p>P. $2(x + 5)$ Two times the sum of a number and five.</p> | <p>U. $(2x - 6) - 4$ Four less than the difference of twice a number and six.</p> |