

Name: _____

Math is Gold

Date: _____

Topic: Solve Equations (One variable)

(id:sol_eqn_multistep_A.1)

Title: Translate each problem into an equation and then solve it. Use x as the unknown variable.

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| <p>1) Jack went to a fair with 27 dollars. He bought 5 tickets and had 7 dollars remaining. What is the cost of each ticket ?</p> | <p>2) Tom spent \$5 on ice-cream and bought 9 candies. Total cost was \$50. What is the cost of each candy ?</p> |
| <p>3) Bill went for shopping with \$150. He bought 7 gift cards(same value) and had \$10 remaining. What is the cost of each gift card ?</p> | <p>4) Find two consecutive odd integers whose sum is 64.</p> |
| <p>5) Find two consecutive even integers whose sum is 122.</p> | <p>6) 300 students went on a trip. Five buses(same capacity) were fully loaded and 10 were forced to travel in cars. How many students were in each bus ?</p> |
| <p>7) Jim bought a drink for \$5 and six candy bars. Totally, he spent \$77. What is the cost of each candy bar ?</p> | <p>8) Find three consecutive odd integers whose sum is 51. What is the smallest of the integers ?</p> |
| <p>9) Five times a number increased by 7 is 27. What is the number?</p> | <p>10) Two is subtracted from a number and the difference is multiplied by 3 and the result is 15. What is the number ?</p> |

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| <p>11) An auditorium with 60 rows of seats is filled to capacity with 967 people. If 7 are forced to stand, how many seats are there in a row ?</p> | <p>12) A drama club sold 500 tickets and made a profit of \$1000 after an expense of \$250. What is the cost of each ticket ?</p> |
| <p>13) Three less than 5 times a number is 7. What is the number ?</p> | <p>14) Fifteen less than twice a number is 5. What is the number ?</p> |
| <p>15) The sum of 15 and the product of 7 and a number is 92. What is the number ?</p> | <p>16) Sum of three consecutive integers is 78. What is the smallest of the numbers ?</p> |
| <p>17) Sean bought a Math book for \$75 and six copies of an English novel. Totally he spent \$249. What is the cost of each novel ?</p> | <p>18) Tim bought a DVD player for \$50 and seven copies of a DVD. Totally, he spent \$351. What is the cost of a DVD ?</p> |
| <p>19) 7 more than 8 times a number is 47. What is the number ?</p> | <p>20) Nine times the sum of a number and 3 is 54. What is the number ?</p> |