

Choosing the Correct Operation Experienced

- 1) For each of the following scenarios, determine the most appropriate operation to find the indicated information based on the given information. Then, write an expression that could be used to find the indicated information.

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| a) Given: Mr. Sultsky received 98,098 votes
Opponent received 1,074 less votes
Find: Number of votes received by opponent | Operation: _____
Expression: _____ |
| b) Given: Net pay \$60,900 per year
Find: Net pay per month | Operation: _____
Expression: _____ |
| c) Given: Net pay \$3267.70/month
Withholdings of \$1,232.30/month
Find: Gross pay | Operation: _____
Expression: _____ |
| d) Given: Need to save \$2,300
Amount currently in savings \$1,890
Find: How much more is needed | Operation: _____
Expression: _____ |
| e) Given: Sales price \$1,299
Savings \$560
Find: Price before item went on sale | Operation: _____
Expression: _____ |
| f) Given: 643 mile trip
65 mph average speed
Find: Hours of travel | Operation: _____
Expression: _____ |
| g) Given: \$480 raised
48 cars washed
Find: Price per car wash | Operation: _____
Expression: _____ |
| h) Given: Needs \$1230 in savings
Saves \$60 each month
Find: Number of months to reach goal | Operation: _____
Expression: _____ |
| i) Given: Buys 2 binders at \$4.25 each
Buys 3 pens at \$1.25 each
Buys 1 calculator for \$17.95
Find: Total cost of order | Operations: _____
Expression: _____ |
| j) Given: Speed of 65 mph for 3 hours
Speed of 45 mph for 2 hours
Find: Distance traveled | Operations: _____
Expression: _____ |

- 2) For each of the following scenarios, write an expression that could be used to find the indicated information.
- a) Jenna has 72 baseball cards. Mike has 115. Lorenzo has 832. Write an expression that could be used to find the total of their baseball cards.
 - b) Jenna has j baseball cards. Mike has m cards. Lorenzo has l cards. Write an expression that could be used to find the total of their baseball cards.
 - c) Filipe donated \$32 at the Firefighter's Ball. His wife Tanya donated \$10 more than he did. Write an expression that could be used to find the amount Tanya donated.
 - d) Filipe donated f dollars at the Firefighter's Ball. His wife, Tanya, donated t more than he did. Write an expression that could be used to find the amount Tanya donated.
 - e) Lulita pays \$65 a month for cable. How much does she pay for cable over the course of 12 months?
 - f) Lulita pays r dollars a month for cable. How much does she pay for cable over the course of m months?
 - g) Josiah donated \$20 at the Firefighter's Ball. His wife, Annabeth, donated \$5 less than he did. Write an expression that could be used to find the amount Annabeth donated.
 - h) Josiah donated j dollars at the Firefighter's Ball. His wife, Annabeth, donated a dollars less than he did. Write an expression that could be used to find the amount Annabeth donated.
 - i) Lizette and ten of her coworkers pooled their money to buy lottery tickets. Each person contributed \$20 to the pot, and they promised to split the earnings if any of the tickets purchased is a winner. Write an expression to represent the total amount collected by the group.
 - j) Lizette and some number, c , of her coworkers pooled their money to buy lottery tickets. Each person contributed d dollars to the pot, and they promised to split the earnings if any of the tickets purchased is a winner. Write an expression to represent the total amount collected by the group.
 - k) Bleeson's Market ordered twenty cases of bananas, each weighing 40 pounds; twenty-two cases of grapes, each weighing 35 pounds, and twelve cases of apples, each weighing 50 pounds. Write an expression to represent the total pounds of fruit purchased.
 - l) Bleeson's Market ordered b cases of bananas, each weighing 40 pounds; g cases of grapes, each weighing 35 pounds, and a cases of apples, each weighing 50 pounds. Write an expression to represent the total pounds of fruit purchased.

ANSWERS: 1) a) O: Subtraction E: $98,098 - 1,074$ b) O: Division E: $60,900 \div 12$ or $\frac{60,900}{12}$ c) O: Addition E: $3,267.70 + 1232.30$ d) O: Subtraction E: $2300 - 1890$ e) O: Addition E: $1299 + 560$ f) O: Division E: $643 \div 65$ or $\frac{643}{65}$ g) O: Division E: $480 \div 48$ or $\frac{480}{48}$ h) O: Division E: $1230 \div 60$ or $\frac{1230}{60}$ i) O: Multiplication and addition E: $2(4.25) + 3(1.25) + 17.95$ j) O: Multiplication and Addition E: $65(3) + 45(2)$ 2) a) $72 + 115 + 832$ b) $j + m + l$ c) $32 + 10$ d) $f + t$ e) $65(12)$ f) rm g) $20 - 5$ h) $j - a$ (NOTE: $a - j$ is a WRONG answer) i) $20(11)$ j) $d(c + 1)$ k) $20(40) + 22(35) + 12(50)$ l) $40b + 35g + 50a$