

STUDENT MATERIALS

MIX IT UP MUNCHIES

Mix it Up Munchies is a new convenience store in town. You are planning on having a slumber party next week and can't wait to shop there. In preparation for the party, you have saved \$100 to spend at the store.

Task One: Addition

What is the total price of the items in your shopping cart? Show all your work.

Shopping Cart:

1 bag of chips	\$5.49 ✓
1 bucket of bubble gum	\$11.28
1 case of water	\$4.99 ✓
1 box of popsicles	\$4.33 ✓
1 extra-large bag of popcorn	\$8.61 ✓

$$\begin{array}{r}
 4.99 \\
 + 4.33 \\
 \hline
 9.32 \\
 \end{array}$$

$$\begin{array}{r}
 9.32 \\
 + 5.49 \\
 \hline
 14.81 \\
 \end{array}$$

$$\begin{array}{r}
 14.81 \\
 + 8.61 \\
 \hline
 23.42 \\
 \end{array}$$

$$\begin{array}{r}
 23.42 \\
 + 11.28 \\
 \hline
 34.70 \\
 \end{array}$$

Total cost: 34.70

TASK 2 – SUBTRACTION

Task Two: Subtraction

You decide to add a few extra items into your cart before you pay. The new total of your shopping trip, with the additional items is \$42.13. How much money will you have leftover if you began with \$100? Show your work.

$$\begin{array}{r}
 9 \\
 040\cancel{0}\cancel{0}10 \\
 100.\cancel{0} \\
 \hline
 42.13 \\
 \hline
 57.87
 \end{array}$$

Total amount of money left 57.87

TASK 3 – MULTIPLICATION

Task 3: Multiplication

On your way out of the store you see a barrel full of candy. The sign says that it is \$4.59 per pound, so you decide to fill a bag. You put your bag on the scale, and it says it weighs 3.8 pounds. What is the total cost of the bag of candy? Round to the nearest hundredth. Show your work.

$$\begin{array}{r}
 4.59 \\
 \times 3.8 \\
 \hline
 3672 \\
 13770 \\
 \hline
 17442
 \end{array}$$

Total cost of candy: 174.42

TASK 4 – DIVISION

Task 4: Division

You had so much fun shopping at Mix It Up Munchies that you decided to take your friends the night of the slumber party. Your parents decide to give you some additional money, so your new total to split between the eight of you is \$78.14. Rounding to the nearest hundredth, what is the amount of money each person can spend? Show all your work using long division.

$$\begin{array}{r}
 9 \\
 \times 75 \\
 \hline
 8 \overline{) 78.14} \\
 \underline{72} \\
 064 \\
 \underline{56} \\
 084 \\
 \underline{48} \\
 36
 \end{array}$$

6

78.14 20

9.76 9.76