Traditional Math Unit Cost Worksheet

1. A set of tires for your car costs $435.00. What is the cost for 1 tire?
   Answer: $435.00 ÷ 4 = $108.75

2. An 18 pack of Charmin toilet paper cost $6.75. How much does each roll cost?

3. A 12 pack of Dove Hand Soap cost $8.84. How much per bar of soap?

4. A 6 pack of socks from Wal-Mart cost $11.89. How much for a pair of socks?

5. Your family is flying to Florida and had to purchase 6 airplane tickets for $2750.00.
   How much does each plane ticket cost?

6. Sally goes to gas station A and buys 25 gallons of gas for $91.75. Jane goes to gas station B and buys 16 gallons of gas for $58.40. Who paid more per gallon? Explain your answer and show your work.
   Answer: $91.75 ÷ 25gal = $3.67 gal
   $58.40 ÷ 16gal = $3.65 gal
   Sally pays more per gallon based on unit price.

7. A 12 pack of 16oz. cans of Pepsi cost $3.99. How much does each can cost? How much does a cup of Pepsi cost?

8. You buy a 24 oz. container of Fruit Punch powdered mix for $2.98. The whole container makes 4 gallons of punch. You use half of the fruit punch mix. How much does each 8oz. cup cost?

9. The unit cost of a 2x6 piece of decking that is 12 feet long is $15.75. To build your deck you will need 37 2x6 boards. How much will your lumber cost?

10. You go shopping and buy a 10 lb. family pack of ground chuck for $23.47. There is a manager's special coupon for $3.25 off your purchase. How much did you pay per lb.?
Answer Sheet for Traditional Math Unit Cost Worksheet

1. A set of tires for your car costs $435.00. What is the cost for 1 tire?
   Answer: $435.00 ÷ 4 = $108.75

2. An 18 pack of Charmin toilet paper cost $6.75. How much does each roll cost?
   Answer: $6.75 ÷ 18 = $0.38 a roll

3. A 12 pack of Dove Hand Soap cost $8.84. How much per bar of soap?
   Answer: $8.84 ÷ 12 = $0.74

4. A 6 pack of socks from Wal-Mart cost $11.89. How much for a pair of socks?
   Answer: $11.89 ÷ 6 = $1.98

5. Your family is flying to Florida and had to purchase 6 airplane tickets for $2750.00. How much does each plane ticket cost?
   Answer: $2750 ÷ 6 = $458.33

6. Sally goes to gas station A and buys 25 gallons of gas for $91.75. Jane goes to gas station B and buys 16 gallons of gas for $58.40. Who paid more per gallon? Explain your answer and show your work.
   Answer: $91.75 ÷ 25gal = $3.67 gal
   $58.40 ÷ 16gal = $3.65 gal
   Sally pays more per gallon based on unit price.

7. A 12 pk of 16oz. cans of Pepsi cost $3.99. How much does each can cost? How much does a cup of Pepsi cost?
   Answer: $3.99 ÷ 12can = $0.33/can or .33/can ÷ 16oz/can = .02/oz
   $3.99 ÷ 192oz = $0.02oz
   $0.02 × 8oz = $0.16 cup of Pepsi

8. You buy a 24 oz. container of Fruit Punch powdered mix for $4.98. The whole container makes 4 gallons of punch. You used half of the fruit punch mix. How much does each 8oz. cup cost?
   Answer: 2 gal × 128oz per gal = 256oz
   $4.98 ÷ 2 = $2.49 or $4.98 ÷ 1/2 = $2.49 or $4.98 × 0.5 = $2.49
   $2.49 ÷ 256oz = $0.009 per oz. Rounded up to $0.01 per oz.
   $0.01 per oz × 8oz = $0.08 per cup

9. The unit cost of a 2X6 piece of decking that is 12 feet long is $15.75. To build your deck you will need 37 2X6’s. How much will your lumber cost?
   Answer: $15.75 per piece × 37 pieces = $582.75

10. You go shopping and buy a 10lb. family pack of ground chuck for $23.47. There is a manager’s special coupon for $3.25 off your purchase. How much did you pay per lb.?
    Answer: $23.47 - $3.25 = $20.22 (final price paid for ground chuck)
    $20.22 ÷ 10 lb. = $2.02 per lb.
Culinary Math Unit Cost Worksheet

1. There are 6 cans of pasta sauce in a case (cs). Each case cost $24.00. Find the cost of each can.
   Answer: $24.00 ÷ 6 cn = $4.00 can

2. A 24 count (ct) or 1 case of green leaf lettuce cost $32.50. How much does each head of lettuce cost?

3. 1 case (cs) of large white eggs cost $17.80. How much does each egg cost?

4. A 50lb bag of flour cost $27.00. How much does 8oz of flour cost?

5. We bought a case of 6 gallons of chicken broth for $72.22. The recipe for Chicken Noodle Soup calls for 2 1/2 qt of Chicken broth. How much does the chicken broth for the soup cost?
   Answer: 50 * 16oz = 800oz
   $27.00 ÷ 800oz = $0.03oz
   $0.03 * 8oz = $0.24

6. The Prime Rib Roast cost $115.00 and the finished weight after cooking is 12 3/4 lbs. There are 50 people coming in and each will be served 4oz of meat. How much does each portion cost?

7. To make 100 orders of salsa we need to chop 12 lb of Roma Tomatoes. Each order of salsa has 3.5 oz serving of tomato. One 24 lb case of tomatoes cost $37.48. How much does each serving of tomato cost?

8. A case of individually wrapped straws has 15 boxes of 3000 straws each. The whole case of straws cost $15.76. How much does each straw cost?

9. The restaurant uses 1700 paper place mats every week. A case of 3500 place mats cost $33.45. How many place mats will the restaurant use in one year. How much will that cost the restaurant?

10. The restaurant paid its four kitchen employees a total of $134,789.77 for one years work. Each employee averaged 35 hours a week for 50 weeks. What was the average hourly pay per employee?
Culinary Math Unit Cost Worksheet  Answers

1. There are 6 cans of pasta sauce in a case (cs). Each case cost $24.00. Find the cost of each can.
Answer: $24.00 ÷ 6cn = $4.00 can

2. A 24 count (ct) or 1 case of green leaf lettuce cost $32.50. How much does each head of lettuce cost?
Answer: $32.50 ÷ 24ct = $1.35 per head of lettuce

3. 1 case (cs) of 96 large white eggs cost $17.80. How much does each egg cost?
Answer: $17.80 ÷ 96 = $0.19 per egg

4. A 50lb bag of flour cost $27.00. How much does 8oz of flour cost?
Answer: 50 * 16oz = 800oz
   $27.00 ÷ 800oz = $0.03oz
   $0.03 * 8oz = $0.24

5. We bought a case of 6 gallons of chicken broth for $72.22. The recipe for Chicken Noodle Soup calls for 2 1/2 qt of Chicken broth. How much does the chicken broth for the soup cost?
Answer: 6gal * 4qt/gal = 24 quarts
   $72.22 ÷ 24qt = $3.01 per quart
   $3.01 * 2 1/2 qt = $7.53

6. The Prime Rib Roast cost $115.00 and the finished weight after cooking is 12 3/4 lbs. There are 50 people coming in and each will be served 4oz of meat. How much does each portion cost?
Answer: 12 3/4 lb * 16oz = 204oz
   $115 ÷ 204oz = $0.56oz
   4oz * $0.56 = $2.24 per portion

7. To make 100 orders of salsa we need to chop 12lb of Roma Tomatoes. Each order of salsa has 3.5 oz serving of tomato. One 24lb case of tomatoes cost $37.48. How much does each serving of tomato cost?
Answer: $37.48 ÷ 2 = $18.74
   12 lb = $18.74
   12 lb * 16oz = 192oz
   $18.74 ÷ 192oz = $0.10 per oz.
   3.5oz * $0.10 = $0.35 per serving

8. A case of individually wrapped straws has 15 boxes of 3000 straws each. The whole case of straws cost $100.76. How much does each straw cost?
Answer: 15boxes * 3000straws/box = 45000 straws
   $100.76 ÷ 45000straws = $0.002 per straw

9. The restaurant uses 1700 paper place mats every week. A case of 3500 place mats cost $33.45. How many place mats will the restaurant use in one year. How much will that cost the restaurant.
Answer: 1700pm * 52 weeks = 88400 place mats
   88400pm ÷ 3500pm per cs = 25.25 cases
   25.25cases * $33.45 cs = $844.61

10. The restaurant paid its four kitchen employees a total of $134,789.77 for one years work. Each employee averaged 35 hours a week for 50 weeks. What was the average hourly pay per employee.
Answer: $134,789.77 ÷ 4 = $33697.44 per employee
    35 hrs * 50 wks = 1750 hrs per year
    $33697.44 ÷ 1750hrs = $19.26 per hr
Alternative Assessment Worksheet  Answers

Unit Price Worksheet 1 liter = 33.81 fluid ounces
Calculate the Unit Price and circle the best value based on the unit price

1. Green Beans: Answer: b
   a. Del Monte: 14.5 oz for $1.75  $0.12
   b. Store Brand: 14.5 oz for $1.45  $0.10

2. Brown Sugar (box) Answer: b
   a. C&H: 16 oz for $1.25  $0.08
   b. Store Brand: 16 oz for $0.84  $0.05

3. Fruit Loops Cereal Answer: c
   a. Kellogg’s: 12.2 oz for $4.58  $0.38
   b. Kellogg’s: 17 oz for $5.49  $0.32
   c. Store brand: 28 oz for $4.49  $0.16

4. Bagged Coffee Answer: c
   a. Starbucks: 12 oz for $11.19  $0.93
   b. Dunkin Donuts: 12 oz for $10.39  $0.87
   c. Store brand: 26 oz for $7.99  $0.31
   d. Don Francisco: 12 oz for $6.25  $0.52
   e. Folgers Coffee Pods: 3.95 oz for $5.79  $1.47

5. Sodas Answer: d
   a. Pepsi: 2 L T $1.99  $0.03
   b. Pepsi: 8 pk of 12 oz sodas, $4.59 how much per ounce?  $0.05
   c. Mtn Dew Fridge Mate: 18 12 oz sodas, $6.99, how much per ounce?  $0.03
   d. Store brand soda: 12-12 oz sodas, $3.19, how much per ounce?  $0.02

6. Soup Answer: c
   a. Progresso: 19 oz for $2.99  $0.16
   b. Campbell’s Chunky: 18.8 oz for $2.99  $0.17
   c. Eat Right Soup: 18.8 oz for $2.79  $0.15

7. “Chicken Noodle Soup” Answer: b
   a. Campbell’s: 10.75 oz for $1.00  $0.09
   b. Store brand: 10.5 oz for 85¢  $0.08

8. Instant Lunch Soup Answer: b
   a. Maruchan: 1-2.25 oz 65¢  $0.29
   b. Maruchan: 6-2.25 oz $3.49  $0.26

9. Instant Soup (bagged, Top Ramen) Answer: a
   a. Maruchan: 6-3 oz for $1.65  $0.09
   b. Top Ramen: 6-3 oz for $1.79  $0.10
   c. Maruchan: 1-3 oz for 35¢  $0.12
Alternative Assessment Worksheet

Unit Price Worksheet 1 liter = 33.81 fluid ounces
Calculate the Unit Price and circle the best value based on the unit price

1. Green Beans:
   a. Del Monte: 14.5 oz for $1.75
   b. Store Brand: 14.5 oz for $1.45

2. Brown Sugar (box)
   a. C&H: 16 oz for $1.25
   b. Store Brand: 16 oz for $.84

3. Fruit Loops Cereal
   a. Kellogg’s: 12.2 oz for $4.58
   b. Kellogg’s: 17 oz for $5.49
   c. Store brand: 28 oz for $4.49

4. Bagged Coffee
   a. Starbucks: 12 oz for $11.19
   b. Dunkin Donuts: 12 oz for $10.39
   c. Store brand: 26 oz for $7.99
   d. Don Francisco: 12 oz for $6.25
   e. Folgers Coffee Pods: 3.95 oz for $5.79

5. Sodas
   a. Pepsi: 2 L T $1.99
   b. Pepsi: 8 pk of 12 oz sodas, $4.59 how much per ounce?
   c. Mtn Dew Fridge Mate: 18 12 oz sodas, $6.99, how much per ounce?
   d. Store brand soda: 12-12 oz sodas, $3.19, how much per ounce?

6. Soup
   a. Progresso: 19 oz for $2.99
   b. Campbell’s Chunky: 18.8 oz for $2.99
   c. Eat Right Soup: 18.8 oz for $2.79

7. “Chicken Noodle Soup”
   a. Campbell’s: 10.75 oz for $1.00
   b. Store brand: 10.5oz for 85¢

8. Instant Lunch Soup
   a. Maruchan: 1-2.25 oz 65¢
   b. Maruchan: 6-2.25 oz $3.49

9. Instant Soup (bagged, Top Ramen)
   a. Maruchan: 6-3oz for $1.65
   b. Top Ramen: 6-3oz for $1.79
   c. Maruchan: 1-3oz for 35¢