

1. On December 13<sup>th</sup>, Shaquille O'Neal scored his season high in points with a total of 40. His 40 points were scored all on free throws and two-point baskets. He made a total of 25 shots. How many free throws and two-point baskets did Shaq make?

15 2-point baskets  
10 free throws

2. At Triton's Tremendous Toy Shop, gadgets and gizmos are two of the most popular items. Ariel buys 3 gadgets and 2 gizmos for \$24 while Eric buys 2 gadgets and 4 gizmos for \$26. How much does each item cost? How much would 5 gadgets and 7 gizmos cost?

$\underbrace{\hspace{10em}}_{\$53.75}$  \$5.50 per gadget  
\$3.75 per gizmo

3. Wendy is starting a catering business and is attempting to figure out who she should be using to transport the food to different locations. She has found two trucking companies that are willing to make sure her food arrives intact. Peter's Pick Up charges \$0.40 per mile and charges a flat fee of \$68. Helen's Haulers charges \$0.65 per mile and charges a flat fee of \$23. How many miles does the catering business have to drive before both companies charge the same amount?

180 miles

4. At McDonald's a cheeseburger has 200 fewer calories than a large fries. Two cheeseburgers and a large fries have 1100 calories. How many calories are in each item?

300 calories in a cheeseburger  
500 calories in a large fry

5. Jonas needs a cell phone. He has a choice between two companies with the following monthly billing policies. Each company's monthly billing policy has an initial operating fee and charge per minute. At how many minutes is each monthly cost the same?

100 minutes

	Operating Fee	Charge per Minute
Terri's Telephone	\$29.95	\$0.14
Carrie's Connection	\$4.95	\$0.39

6. At Billy's Pre-School, they have bicycles and tricycles, with a total of 57 wheels. The number of bicycles is three less than three times the number of tricycles. How many of each are there?

7 tricycles  
18 bicycles

7. Beach Hotel in Cancun is offering two weekend specials. One includes a 2-night stay with 3 meals at a cost of \$195. The other includes a 3-night stay with 5 meals at a cost of \$300. What is the cost of a single meal and a single night?

↓  
\$75

↓  
\$15

8. You sell tickets for admission to your school play and collect a total of \$104. Admission prices are \$6 for adults and \$4 for children. You sold 21 tickets. How many adult tickets and how many child tickets did you sell?

10 adult tickets  
11 children tickets

9. Jimmy has decided to start saving his change for all the gas he will be using once he gets his license. He currently has a total of 30 coins, consisting of quarters and nickels. They are worth \$3.70. How many of each type of coin does he have?

19 nickels  
11 quarters

10. In Lewis Carroll's *Through the Looking Glass*, Tweedledum says to Tweedledee, "The sum of your weight and twice mine is 361 pounds." Then Tweedledee says to Tweedledum, "The sum of your weight and twice mine is 362 pounds." Find the weights of Tweedledum and Tweedledee.

↓                      ↓  
120 lbs.            121 lbs.