Smiley Face Math   **Name:** _____
Grade 5, Worksheet IV
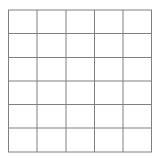
☺   1. Becky had $13 in a checking account that she set up with "Bank of Mom". Becky wrote a
         check for $20 to buy three CDs. How much money was in her checking account then?
                                        Answer: Her account's value was _____.

☺ ☺   2. Tony started skateboarding down his street. He gradually went from 0 mph at 0 minutes, to 2 mph
         after 1 minute, to 4 mph after 2 minutes, and finally to 6 mph after 3 minutes. He continued at 6 mph
         until he hit a crack in the sidewalk at exactly 5 minutes, and fell off. Draw a graph to show Tony's speed
         versus time during his ride. (Be sure to label your graph!)

☺ ☺   3. At home you found a box that holds a dozen donuts. Eight donuts were left for
         you to choose from.

             a. What *fraction* of the box of doughnuts was left for you to choose from?   ___

             b. If you ate 2 doughnuts, what *fraction* of the original box of doughnuts was left for the
             next person?   ___

☺ ☺ ☺   4. The school band played 19 shows in a school year. The total attendance for the 19
         performances was 7,936. The band teacher reported to the local newspaper that the average
         attendance for each performance was about 400 people.

                 Explain how the band teacher may have made her estimate.

                  Why might the band teacher want to estimate, instead of giving the exact number to
                 the newspaper?

☺☺☺ 5. Jamal's family is driving " straight through" from Tampa, FL to Chicago, IL for vacation. The distance is about 1,200 miles. His family arrives in Chicago in about 22 hours. **About** how many miles did Jamal's family travel in 1 hour?

Answer: about _____ miles each hour

Explain how you estimated to find your answer:

☺ 6. You have saved $152.17 in your bank account. You decide to make a small withdrawal to buy a friend a book. The book costs $17.81. Then you find two dollar bills and a quarter and put that into your account. Now how much money is in your bank account?

Answer: $____

☺☺☺ 7. Cedrick made 24 bag lunches for the class field trip. If Cedrick had made 4 more lunches, he would have made exactly 7 times as many bag lunches as Nolan did. How many bag lunches did Nolan make?

Write an equation to show this situation. Use *b* to stand for the number of bag lunches Norman made. Then solve the equation to find out how many Norman made.

Answer: Equation: _____

Solution: _____

☺☺☺ 8. One-third of a year, plus one-fourth of a year, is what fraction of a year?

J	F	M	A	M	J	J	A	S	O	N	D
J	F	M	A	M	J	J	A	S	O	N	D
J	F	M	A	M	J	J	A	S	O	N	D

Answer: ____ of a year