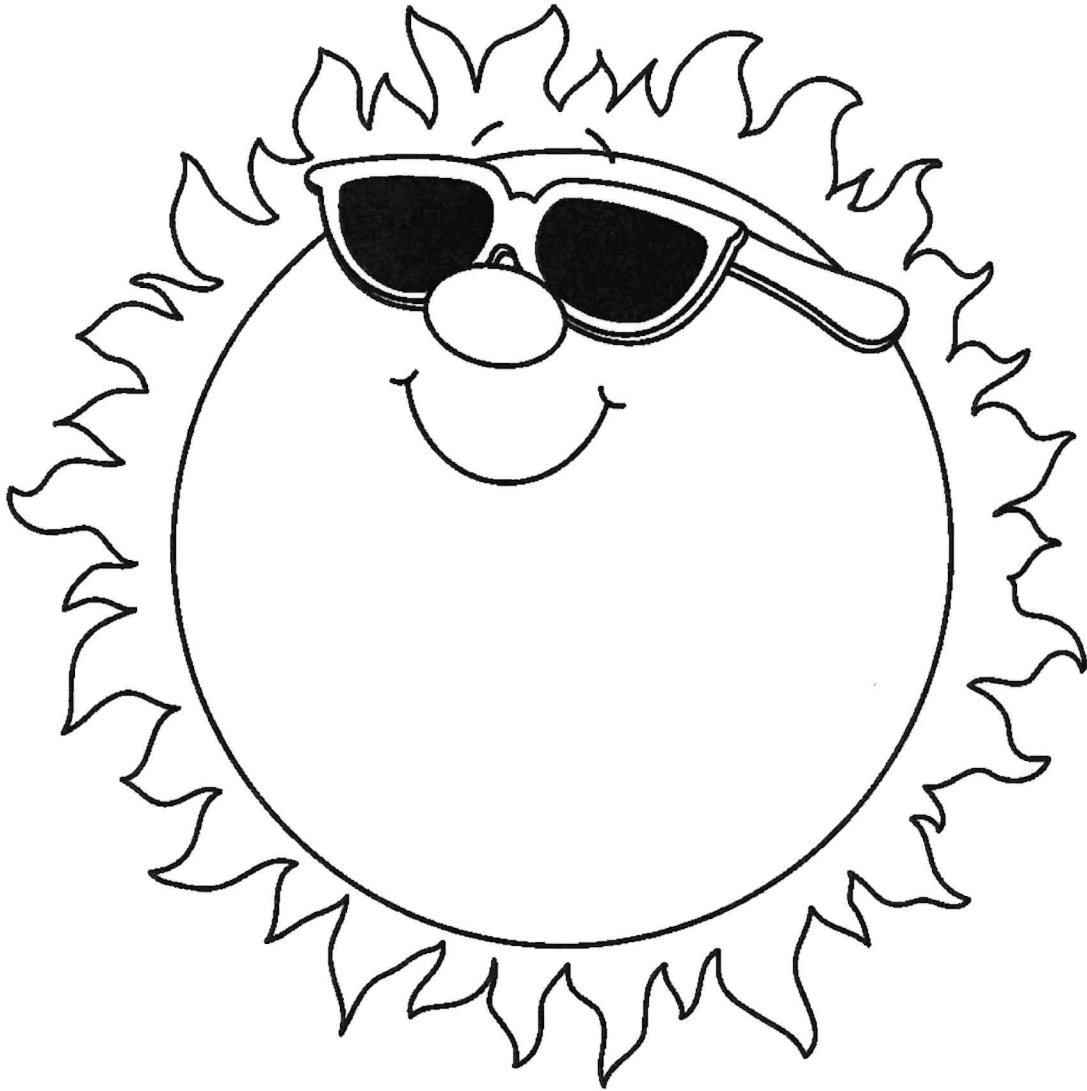


DCES Summer Math for students entering 5th Grade

Name: _____



School's out for summer but don't let those math skills slide! Your teachers have carefully chosen a collection of practice activities that cover a range of content that you have learned this school year. There are 16 pages in all, so 1-2 pages per week throughout the summer will have you all set for next school year; spread it out for best results. Remember, you still have access to digital resources like Freckle, IXL, etc. until the end of July, but if you need more support, ask your parents to sit with you or do an internet search for an instructional video that covers the topic. You will turn in your math packet for practice points to your math teacher in August. We hope you have a safe, blessed and MATH-TASTIC summer break!

Make a recipe that involves using fractions and measuring tools. What recipe did you make?

Play two of the following board games with friends or family members. Please circle your selections:

Monopoly	Connect Four
Battleship	Blokus
Chinese checkers	Chess
Muggins	Score One
Mancala	S'math
Dominos	Checkers
Yahtzee	Knock Out
Make 7	Other _____

Measure how tall you are using the following items. Write the number used next to each item.

tape measure	_____
index cards	_____
pencils	_____
paper towel rolls	_____
popsicle sticks	_____

Record the number of hours you play outside each day in one week in the chart below.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
6							
5							
4							
3							
2							
1							
0							

Week One

1. Leila and Ben are in charge of the school fundraiser. They plan to give each 4th grader 25 fliers to help advertise the event. If there are 63 fourth graders, how many fliers do they need to make?

- A. 1,575 fliers B. 225 fliers
C. 3,095 fliers D. 865 fliers

9. Marcus ate $\frac{3}{16}$ of a cake. Gina ate $\frac{5}{8}$ of the same cake. How much cake did Marcus and Gina eat?

- A. $\frac{8}{24}$ cake B. $\frac{8}{16}$ cake C. $\frac{13}{16}$ cake D. $\frac{6}{8}$ cake

7. What is the standard form for one thousand, six hundred seven and three hundredths?

- A. 1,607.3
B. 1,670.03
C. 1,670.3
D. 1,607.03

10. What is the value of the 8 in 234.08?

- A. 80 B. 8
C. $\frac{8}{10}$ D. $\frac{8}{100}$

11. Which number has a 6 in the hundreds place and the ten-thousands place?

- A. 168,062
B. 614,698
C. 862,657
D. 576,961

5. Earth is an average distance of two hundred thirty-eight thousand, eight hundred fifty-seven miles from the moon. How is this number written in standard form?

- A. 200,038,800,057
B. 238.857
C. 238,800.57
D. 2,038.875

6. Yelena Slesarenko, an Olympic athlete from Russia, currently holds the High Jump record. Her record height is 2.06 meters. How is this number written in word form?

- A. two hundred six meters
B. two and six tenths meters
C. two and six hundredths meters
D. two and sixty hundredths meters

The Tennessee Aquarium main lobby is represented below. Use this model to answer questions 20 and 21.



36 feet

47 feet

20. What is the area of the lobby?

- A. 1,692 square feet
B. 83 square feet
C. 166 square feet
D. 3,384 square feet

Week One Multiplication Drill (Complete in Two Minutes.)

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

4
y 3

6
7

85

Week Two

Write the Number that comes after:

1. 23,458

2. 999,999

3. 1,345,200

4. 10,999,000

Write the number that comes before:

5. 27,563

6. 45,669

Write the number that comes between:

7. 453,098 _____ 453,100

Rounding:

8. Round 1,245,366 to the nearest ten thousand

A. 1,300,000

B. 1,246,000

C. 1,250,000

D. 2,000,000

9. Round 2,345 to the nearest hundred

A. 2,300

B. 2,000

C. 2,400

D. 2,350

Cross Number Puzzle

Express each multiplication problem below in its numerical form. Then solve the problems and write your answers in the appropriate across or down positions.

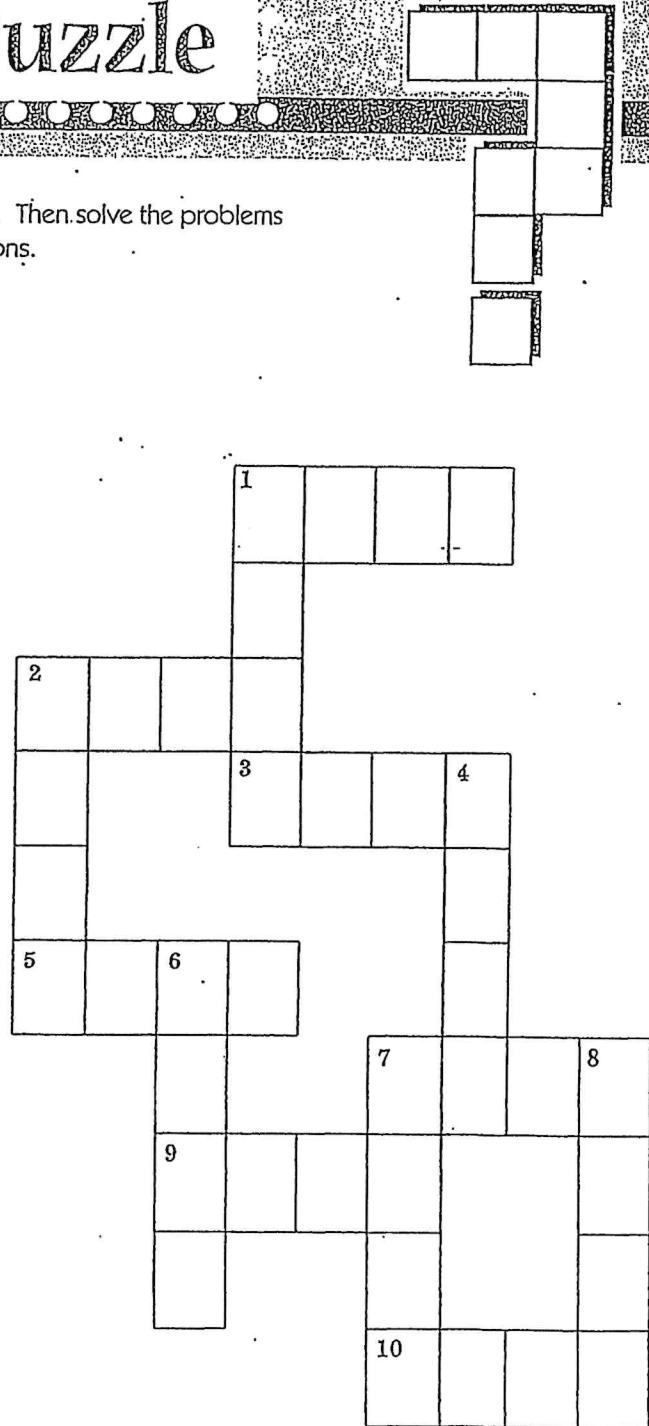
ACROSS

NUMERICAL FORM

1. Multiply five hundred eighty-six by five _____
2. Multiply nine hundred eighty-eight by six _____
3. Multiply seven hundred ninety-nine by six _____
5. Multiply six hundred seventy-eight by three _____
7. Multiply six hundred fifty-three by five _____
9. Multiply seven hundred forty-seven by four _____
10. Multiply eight hundred twenty-five by eight _____

DOWN

1. Multiply three hundred seventy-three by eight _____
2. Multiply seven hundred forty-six by seven _____
4. Multiply six hundred nine by eight _____
6. Multiply four hundred sixty by seven _____
7. Multiply four hundred eighty-seven by eight _____
8. Multiply nine hundred forty by six _____



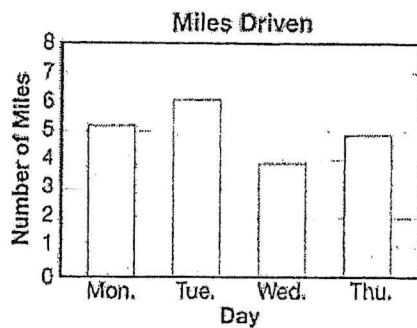
(Complete in Two Minutes.)

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

Week Four

Use the graph to answer questions 7 and 8.

The graph below shows the number of miles that Ms. Rollins drove each day for four days.



7. According to the graph, about how many more miles did Ms. Rollins drive on Monday and Tuesday than on Wednesday and Thursday?

- A. 2 miles
- B. 4 miles
- C. 9 miles
- D. 11 miles

8. According to the graph, about how many miles did Ms. Rollins drive during the four days?

- A. 19 miles
- B. 20 miles
- C. 21 miles
- D. 22 miles

9. In 2009, Bahamas had a population of three hundred seven thousand, five hundred fifty-two. How is this number written in standard form?

- A. 307,752
- B. 307,552
- C. 370,552
- D. 375,052

27. Molly is putting pictures in a picture album. She has 336 pictures. She can put 8 pictures on each page. How many pages will she need so she can put all her pictures in the album?

- A. 49 pages
- B. 40 pages
- C. 42 pages
- D. 45 pages

1. Quinton's backyard is 12 feet wide. He wants to build a rectangular fence around it. If he has 38 feet of fencing, what is the length of his backyard?

- A. 26 feet
- B. 14 feet
- C. 7 feet
- D. 12 feet

3. Which comparison is true?

- | | |
|------------------------|-------------------------|
| A. $\frac{3}{5} > 0.6$ | B. $\frac{4}{8} = 0.48$ |
| C. $\frac{5}{8} > 0.7$ | D. $\frac{3}{8} < 0.4$ |

[illegible]

Week Five

Name _____ Date _____ Class _____

Mixed Number Addition and Subtraction

Directions: Find the sum or difference

Addition

1a. $17\frac{7}{9} + 8\frac{4}{9} =$

1b. $14\frac{8}{11} + 2\frac{1}{11} =$

2a. $14\frac{8}{10} + 10\frac{6}{10} =$

2b. $14\frac{7}{12} + 10\frac{3}{12} =$

3a. $18\frac{7}{10} + 2\frac{2}{10} =$

3b. $17\frac{8}{9} + 4\frac{2}{9} =$

4a. $11\frac{7}{10} + 9\frac{4}{10} =$

4b. $16\frac{11}{12} + 10\frac{2}{12} =$

Subtraction

1a. $18\frac{9}{11} - 7\frac{3}{11} =$

1b. $16\frac{8}{10} - 5\frac{6}{10} =$

2a. $19\frac{9}{11} - 4\frac{4}{11} =$

2b. $19\frac{7}{10} - 3\frac{5}{10} =$

3a. $15\frac{8}{12} - 5\frac{4}{12} =$

3b. $11\frac{10}{11} - 7\frac{3}{11} =$

4a. $13\frac{7}{11} - 4\frac{4}{11} =$

4b. $11\frac{7}{10} - 4\frac{6}{10} =$

Week Five Multiplication Drill

(Complete in Two Minutes.)

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ x \ 5 \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

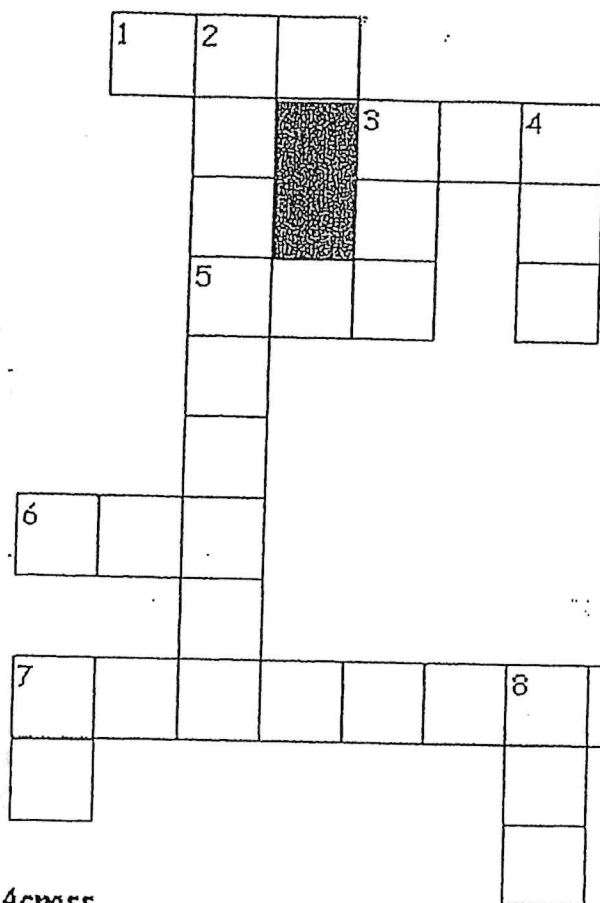
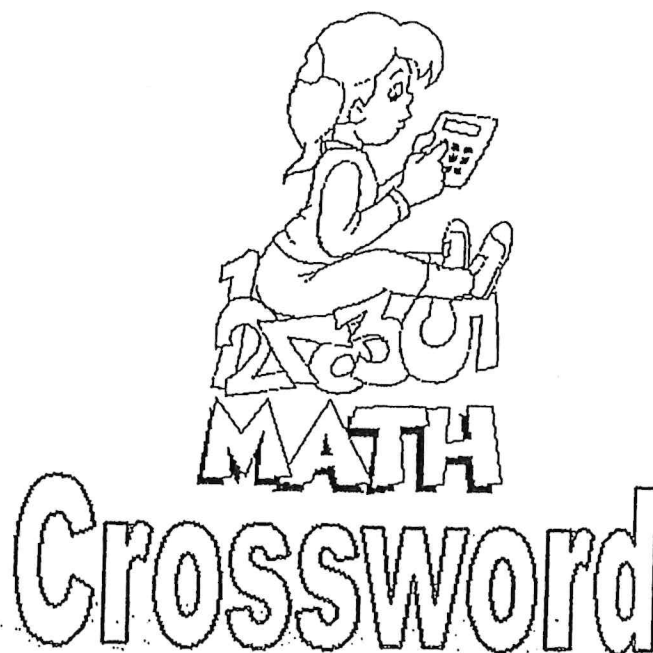
$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

Week Six



Across

1. Patricia was washing dishes every night for a week. She washed 32 dishes each night. How many dishes did she wash?
3. Samuel had 5 pet bunnies. Each bunny had 23 toys. How many toys did all the bunnies have together?
5. Benny bunny had a lot of children. He put 4 children in each bedroom and filled up 93 bedrooms. How many kids did Benny bunny have?
6. Alfred the Leprechaun wanted to give 8 pots of gold to each of his friends. Alfred had 21 friends. How many pots of gold does Alfred need?
7. Write these numbers in order from smallest to biggest: 552, 65, 91, 866

Down

2. Write these numbers in order from biggest to smallest: 30, 265, 19, 28
3. Sal was going to buy 6 chocolate bars. Each chocolate bar cost 17 cents. How much money does Sal need?
4. Solve this problem: $65 \times 9 =$ _____
7. Quick, quick! What's 8×8 ?
8. Paul wanted to plant some tomatoes. He had 25 rows to plant and he could fit 8 plants in each row. How many tomatoes could Paul plant?

Week Six Multiplication Drill
(Complete in Two Minutes.)

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

Week Seven

1. Reggie Bush rushed an average of 71.9 yards per football game in 2013. How is 71.9 written in word form?

- A. seven hundred nineteen
- B. seven and nineteen hundredths
- C. seventy-one and nine tenths
- D. seventy-one and nine hundredths

9. Which of the following has a 4 in the hundred-thousands and tenths places?

- A. 456,840.32
- B. 245,376.48
- C. 418,907.46
- D. 649,278.04

14. Christopher ran $\frac{23}{4}$ miles. Which of the following is another way to represent the number of miles he ran?

- A. $2\frac{3}{4}$ miles
- B. $5\frac{3}{4}$ miles
- C. 5 miles
- D. 6 miles

15. Which of the following is the word form for 80,094.06?

- A. Eighty thousand, ninety-four and six hundredths
- B. Eighty thousand, nine hundred four and six tenths
- C. Eighty-nine thousand, four hundred six hundredths
- D. Eighty thousand, ninety-four and six tenths

1. Which of the following is true?

- A. $\frac{3}{8} > \frac{1}{2}$
- B. $\frac{2}{5} < \frac{3}{8}$
- C. $\frac{7}{8} < \frac{5}{6}$
- D. $\frac{5}{6} > \frac{2}{5}$

2. Which number is equivalent to $\frac{26}{4}$?

- A. 6.5
- B. 2.64
- C. 6.24
- D. 4.26

7. Which mixed number does Point *P* best represent on the number line below?



- A. $2\frac{3}{4}$
- B. $3\frac{1}{4}$
- C. $3\frac{10}{16}$
- D. $3\frac{1}{8}$

8. Which number sentence is true?

- A. $0.45 = \frac{4}{5}$
- B. $0.25 > \frac{1}{4}$
- C. $0.8 < \frac{1}{8}$
- D. $0.6 = \frac{3}{5}$

11. What is the value of the 6 in the number 24,985.06?

- A. $\frac{6}{100}$
- B. $\frac{6}{10}$
- C. 6
- D. 60

14. Add:

$$\frac{5}{12} + \frac{2}{6} =$$

- A. $\frac{3}{4}$
- B. $\frac{1}{2}$
- C. $\frac{7}{12}$
- D. $\frac{1}{3}$

Week Seven Multiplication Drill

(Complete in Two Minutes.)

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

Week Eight

Addition, Subtraction, Multiplication, and Division(DMSCB):

21. Caitlin bought 6 apples for \$1.18 each. She paid with \$20.00. How much change did he get?

22. 5 quarters, 6 nickels, and 4 pennies equals:

- A. \$5.64
- B. \$1.59
- C. \$9.19
- D. \$1.44

23. Sarah went to 15 yard sales. At each sale she bought 23 items. How many items did she buy?

24. A yoga teacher taught 12 classes one Saturday. If she demonstrated 432 poses in 5 of the classes and 325 poses in 7 of the classes, how many poses did she demonstrate in all?

25. Marielle has 672 jellybeans. She wants to share them between herself and 3 of her friends. How many jellybeans would each child get?

(Complete in Two Minutes.)

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

3
5

93

6