Drops in the Bucket - Math Level D

Tues. Study Facts

Number 7

Name _____ **Score** _____

1 Basic Facts

5 + 5 =	13 – 5 =	7 x 7 =	8 x 5 =	20 ÷ 5 =
5 + 6 =	9 – 6 =	5 x 3 =	6 x 5 =	8 ÷ 2 =
2 + 8 =	8 – 2 =	5 x 9 =	2 x 0 =	81 ÷ 9 =

2 Algorithms

9,999 + 1	7,003 – 4,225	$4.00 x 7	$9\overline{)38}$	5 gal – 1 gal 2 qts

3 Estimating Rounding

Round to the nearest thousand.

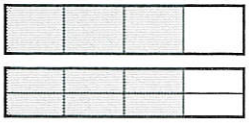
14,370 ≈ _____ 9,840 ≈ _____ 49,263 ≈ _____

20,099 ≈ _____ 49,863 ≈ _____

4 Story Problems

It would cost $3.00 to have a pair of shoes shined. To save our family money, I shined my best pair, two pairs for my dad, and a pair for my brother. How much did we save?

5 Equivalent Fractions



_____ = _____

Multiply numerator and denominator by 2 to get an equivalent fraction.

$\frac{1}{4} =$

6 Vocabulary Concepts Facts

Know and Spell
add
subtract
multiply
divide
division
addition

A. To find half of a number, _____ the number by 2.
B. When you multiply by 0, the product is always _____.
C. How many days in a week? _____ in 4 weeks? _____
D. Multiplication is the opposite, or inverse, of _____.
E. How many pounds in a ton? _____

7 Fractional Parts

$\frac{1}{4}$ of 0 $\frac{1}{4}$ of 12 $\frac{1}{4}$ of 8 $\frac{1}{4}$ of 40 $\frac{1}{4}$ of 32

8 Place Value Numeration

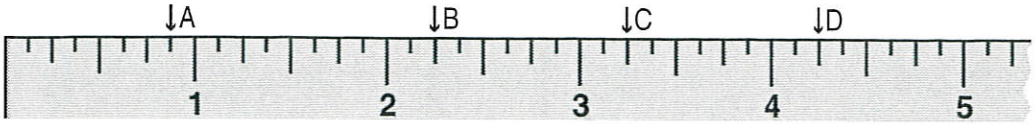
A. What is one thousand less than 78,000? _____
B. Write seventeen thousand, two hundred forty. _____
C. Complete this. 84,298 = _____ + _____ + 200 + _____ + ___
D. Write a number between 47,299 and 47,997. _____
E. Arrange 5, 7, 3, and 9 to make the least number. _____

9 Other Important Topics

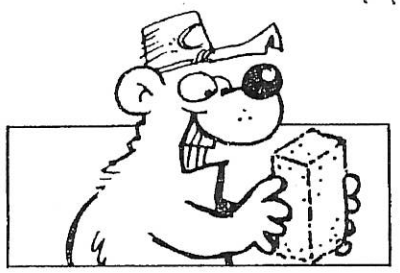
A. This is a _____. It is worth _____ cents.
B. What is the value of 2 quarters? ____ 3 quarters? ____
C. There are _____ quarters in a dollar.
D. A quarter is ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{100}$) of a dollar.
E. How many quarters can you get for a five-dollar bill? ____

10 Rulers

A is at _____. B is at _____. C is at _____. D is at _____. Put E at $4\frac{5}{8}$.



Name: _____



What Is the Difference Between a 16-Ounce Brick and a Carpenter?

Do each exercise and find your answer in the set of boxes under it.
Write the letter of the exercise in the box containing the answer.

*reduce fraction if possible

I. Write each improper fraction either as a mixed number with the fraction in lowest terms or as a whole number.

(S) $\frac{9}{4} = 2\frac{1}{4}$ (A) $\frac{18}{5}$ (E) $\frac{15}{8}$ (O) $\frac{31}{6}$ (D) $\frac{6}{4}$ (N) $\frac{12}{9} = 1\frac{3}{9}$

(G) $\frac{14}{8}$ (D) $\frac{16}{6}$ (A) $\frac{48}{10}$ (N) $\frac{20}{12}$ (O) $\frac{28}{7}$ (I) $\frac{27}{3}$

(U) $\frac{40}{11}$ (E) $\frac{44}{24}$ (W) $\frac{73}{10}$ (N) $\frac{26}{16}$ (H) $\frac{45}{15}$ (P) $\frac{100}{100}$

4	$1\frac{1}{3}$ N	$1\frac{5}{6}$	$3\frac{4}{11}$	$7\frac{3}{10}$	$1\frac{7}{8}$	9	$1\frac{3}{4}$	3	$2\frac{1}{4}$ S	$1\frac{1}{8}$	$4\frac{4}{5}$	$7\frac{9}{10}$	1	$5\frac{1}{6}$	$3\frac{7}{11}$	$1\frac{5}{8}$	$1\frac{1}{2}$	$4\frac{1}{5}$	$3\frac{3}{5}$	$1\frac{2}{3}$	$2\frac{2}{3}$

II. Write each mixed number as an improper fraction. * Do not reduce!

(H) $2\frac{2}{3} = \frac{8}{3}$ (A) $4\frac{1}{2}$ (T) $1\frac{7}{10}$ (O) $3\frac{1}{7}$ (E) $7\frac{2}{5}$ (S) $4\frac{5}{6}$

(T) $2\frac{3}{8}$ (D) $5\frac{5}{9}$ (E) $1\frac{7}{12}$ (H) $3\frac{1}{4}$ (Y) $4\frac{3}{16}$ (R) $10\frac{8}{15}$

(U) $2\frac{11}{24} = \frac{59}{24}$ (O) $1\frac{5}{7}$ (P) $9\frac{3}{4}$ (A) $4\frac{3}{5}$ (N) $33\frac{1}{3}$ (W) $17\frac{1}{2}$

$\frac{44}{9}$	$\frac{17}{10}$	$\frac{13}{4}$	$\frac{37}{5}$	$\frac{54}{24}$	$\frac{12}{7}$	$\frac{19}{8}$	$\frac{8}{3}$ H	$\frac{19}{12}$	$\frac{158}{15}$	$\frac{79}{16}$	$\frac{39}{4}$	$\frac{22}{7}$	$\frac{59}{24}$ U	$\frac{100}{3}$	$\frac{50}{9}$	$\frac{29}{6}$	$\frac{35}{4}$	$\frac{9}{2}$	$\frac{35}{2}$	$\frac{23}{5}$	$\frac{67}{16}$

What Do You Get When You ...

Wed. Study Facts

1. Cross a rabbit with a lawn sprinkler?

14,232	54,820	94,700	1,502	46,840	6,289	39,880	94,700	54,820	12,105

2. Cross a kitten with a Xerox® machine?

54,820	95,300	50,373	775	39,880	12,105	51,273	50,373	54,820	263,267

3. Cross two turkeys with a coal production company?

296	88,472	1,944	1,502	94,700	1,734	14,771	88,472	94,700	60,511	6,289

TO DECODE THE ANSWERS TO THESE THREE QUESTIONS:

Do each exercise below and find your answer in the code. Each time the answer appears, write the letter of the exercise above it.

(O)
$$\begin{array}{r} 275 \\ 468 \\ +\ 32 \\ \hline \end{array}$$

(Y)
$$\begin{array}{r} 7{,}446 \\ 980 \\ +\ 3{,}679 \\ \hline \end{array}$$

(B)
$$\begin{array}{r} 1{,}078 \\ 5{,}456 \\ +\ 8{,}237 \\ \hline \end{array}$$

(D)
$$\begin{array}{r} 48{,}350 \\ 9{,}666 \\ +\ 2{,}495 \\ \hline \end{array}$$

(E)
$$\begin{array}{r} 618 \\ 337 \\ 85 \\ +\ 462 \\ \hline \end{array}$$

(H)
$$\begin{array}{r} 3{,}954 \\ 629 \\ 588 \\ +\ 9{,}061 \\ \hline \end{array}$$

(I)
$$\begin{array}{r} 81{,}449 \\ 193 \\ 6{,}756 \\ +\ 74 \\ \hline \end{array}$$

(T)
$$\begin{array}{r} 42{,}671 \\ 90{,}553 \\ 52{,}896 \\ +\ 77{,}147 \\ \hline \end{array}$$

(S) $265 + 839 + 5{,}185$

(C) $43{,}706 + 49 + 6{,}618$

(M) $73 + 24 + 58 + 96 + 45$

(N) $863 + 72 + 36 + 904 + 69$

Use the table at the right for the next three questions.

(A) What is the combined area of the two largest lakes? _____ sq mi

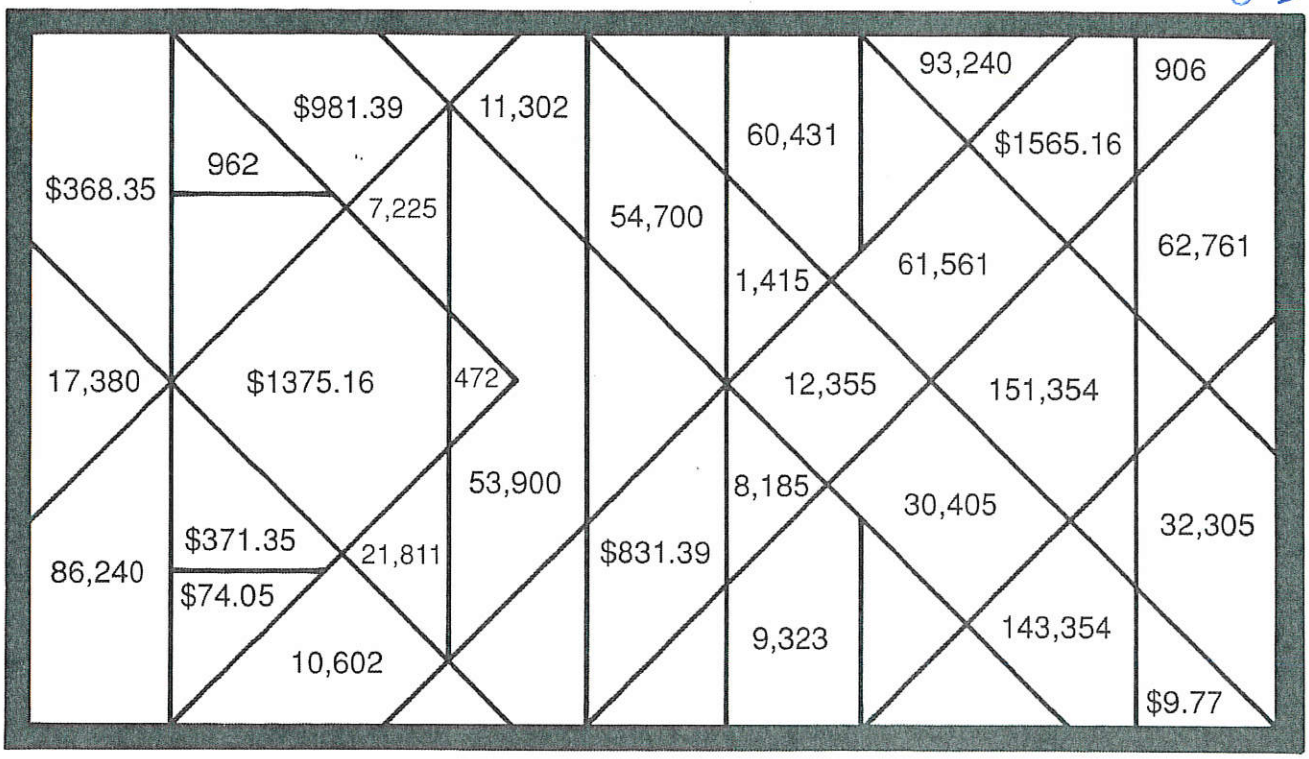
(P) What is the combined area of the three smallest lakes? _____ sq mi

(R) What is the combined area of all five lakes? _____ sq mi

Great Lakes	Area (square miles)
Erie	9,940
Huron	23,010
Michigan	22,400
Ontario	7,540
Superior	31,810

Dentists Hate It!

Thurs. At Your Seat



Do the exercises below and find your answers in the rectangle. Shade in each area containing a correct answer. You will discover what dentists hate!

(1) 347 + 125	(2) 664 + 298	(3) 780 + 635	(4) 869 + 37
(5) 6,238 + 1,947	(6) 8,005 + 9,375	(7) 4,717 + 7,638	(8) 9,646 + 956
(9) 54,728 + 5,703	(10) 77,436 + 65,918	(11) 13,721 + 8,090	(12) 38,964 + 47,276
(13) $6.79 + 2.98	(14) $54.60 + 19.45	(15) $917.55 + 63.84	(16) $726.16 + 839.00

(17) 6,346 + 879

(18) 4,607 + 25,798

(19) $338.75 + $29.60

(20) 587 + 60,974

(21) 8,416 + 907

(22) 49,000 + 4,900

NAME _____

E
134-135

Decimal-Fraction Match

Cut out all of the squares. Then rearrange them to form a 5×5 square so that the numbers on the sides touching one another are equivalent.

For example, the side marked 0.2 must be matched with the side marked $\frac{2}{10}$.

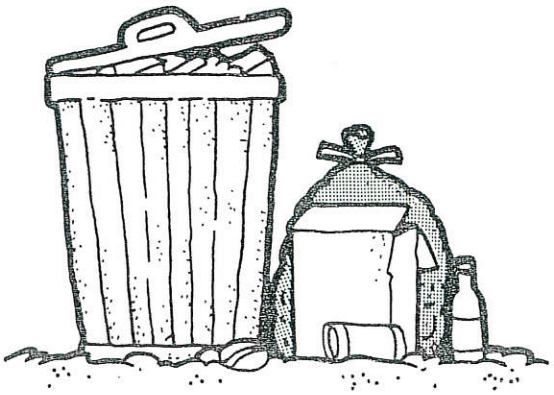
$7\frac{1}{10}$ 4.9 .640 $2\frac{2}{1,000}$	16.01 $\frac{46}{100}$ 8.08	$1\frac{8}{100}$ $16\frac{1}{100}$	$1\frac{1}{100}$ .001 0.18	7.61 $\frac{7}{10}$ $\frac{64}{1,000}$ 1.1
0.70 1.08 $1\frac{9}{10}$	$1\frac{86}{100}$ 2.5 0.02	$\frac{20}{100}$ $\frac{5}{10}$ 0.7 0.013	$5\frac{6}{100}$ $\frac{48}{1,000}$ $\frac{75}{100}$ 0.20	$17\frac{16}{100}$ 5.01
1.9 $\frac{8}{100}$ 0.46 7.1	$5\frac{6}{10}$ 0.90 $\frac{5}{100}$	0.3 0.5 17.16	$8\frac{8}{100}$ $\frac{640}{1,000}$ 5.6	0.03 0.64 0.08 $\frac{11}{100}$
$\frac{18}{100}$ $2\frac{5}{10}$ $\frac{64}{100}$ 5.06	2.002 0.064 $\frac{90}{100}$ 17.016	$\frac{13}{1,000}$ $5\frac{1}{100}$ 8.8	$\frac{2}{100}$ 0.048 $\frac{3}{10}$	1.01 1.86
0.05 $\frac{2}{10}$	$1\frac{1}{10}$ $8\frac{8}{10}$ 0.014	$\frac{1}{1,000}$ $\frac{70}{100}$ $\frac{3}{100}$	$17\frac{16}{1,000}$ $\frac{14}{1,000}$ 0.2	0.11 0.75 $4\frac{9}{10}$ $7\frac{61}{100}$

Garbage Statistics

Friday At Your Seat

A 1988 study found that trash from American households was composed of the following substances:

paper and paperboard	41.0%
yard wastes	17.9%
metals	8.7%
glass	8.2%
rubber, leather, wood, textiles	8.1%
food wastes	7.9%
plastics	6.5%
miscellaneous	1.6%



Use these statistics to make a circle graph showing the distribution of garbage.