Rising Fifth Grade

Dear Future 5th Grader,

The upcoming school year is going to be so much fun! To keep up your math skills, this summer math packet is for you to practice some of the things we learned this past year. Bring this in during the first week of school. I cannot wait to see all of the problems you can solve!

Name: _____

Write each number in standard form.

Thirty thousand, five hundred eleven   _____

Forty-five thousand, eighty-nine   _____

Sixteen thousand, nine   _____

Fifty-four thousand, nine hundred four   _____

Sixty thoudand, eighty two   _____

Forty thousand, nine hundred twenty-five   _____

Write each number in word form.

43,815

_____

90,374

_____

20,505

_____

63,602

_____

Order the numbers from least to greatest.

21,937   74,126   9,837

_____

41,808   10,921   16,235

_____

Order the numbers from greatest to least.

237,086   237,608   238,706   236,870

_____

20,582   31,204   20,587   31,239

_____

Add.

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  75,868          723,509          278,065          237,825
+ 98,927        + 156,852        + 159,231        + 408,396
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Subtract.

370,089	800,000	600,009	707,613
- 42,638	- 354,463	- 215,328	- 281,852

Round each number to the nearest thousand.

6,318	46,508	200,198	699,500
_____	_____	_____	_____

85,437	550,555	699,500	76,498
_____	_____	_____	_____

Multiply using your preferred method. Show your work.

38	124	603
X 17	X 56	X 76

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   32              4,173           3,094
 X 65              X   6           X   4
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Divide using your preferred method. Show your work.

961 ÷ 4   6,492 ÷ 8   8,074 ÷ 3

795 ÷ 6   858 ÷ 9   775 ÷ 7

$5{,}346 \div 6$ $165 \div 5$ $9{,}006 \div 3$

Find each missing numerator or denominator.

$\dfrac{4}{5} = \dfrac{\square}{10}$ $\dfrac{3}{4} = \dfrac{9}{\square}$ $\dfrac{6}{10} = \dfrac{3}{\square}$ $\dfrac{28}{\square} = \dfrac{7}{25}$

Use what you know about benchmark fractions to compare each fraction. Write > < or =.

$\dfrac{3}{8}$ $\dfrac{1}{2}$

$\dfrac{3}{4}$ $\dfrac{2}{3}$

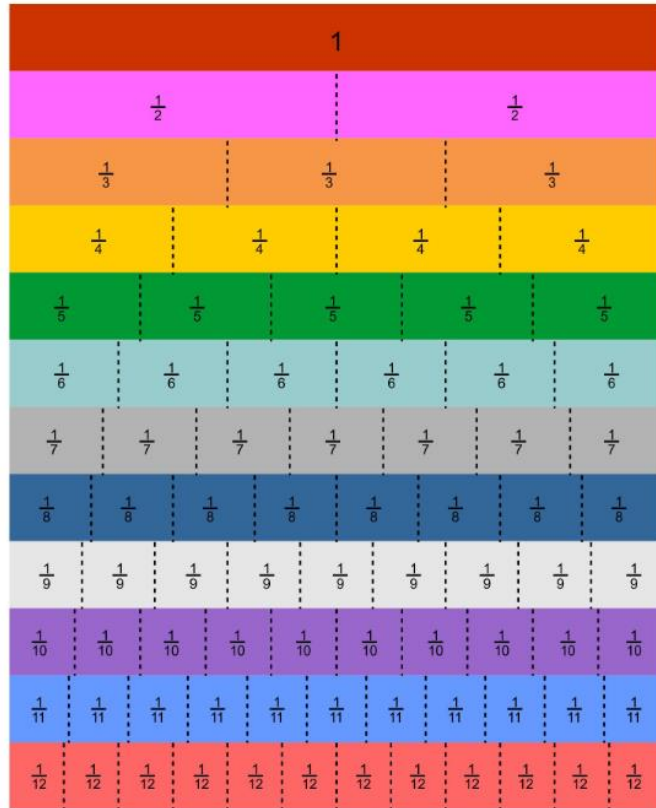$\dfrac{5}{12}$ $\dfrac{9}{10}$

$\dfrac{2}{5}$ $\dfrac{1}{3}$

$\dfrac{3}{4}$ $\dfrac{7}{100}$

$\dfrac{5}{6}$ $\dfrac{7}{8}$

FRACTION STRIPS UP TO TWELFTHS

Order the set of fractions from least to greatest.

$\dfrac{5}{8}$ $\dfrac{2}{5}$ $\dfrac{1}{4}$

Order the set of fractions from greatest to least.

$\dfrac{7}{10}$ $\dfrac{5}{12}$ $\dfrac{3}{4}$

Add or subtract.

$\frac{11}{12} - \frac{7}{12} =$

$\frac{2}{8} + \frac{6}{8} =$

$\frac{3}{10} + \frac{5}{10} =$

$\frac{3}{4} - \frac{2}{4} =$

$1 - \frac{3}{5} =$

$1 - \frac{3}{6} =$

$2\frac{1}{8} + 2\frac{5}{8} =$

$1\frac{3}{10} + 2\frac{2}{10} =$

$1\frac{3}{5} + 2\frac{1}{5} =$

$8\frac{2}{3} - 5\frac{1}{3} =$

$4\frac{3}{5} - 2\frac{1}{5} =$

$4 - 1\frac{7}{12} =$

Convert improper fractions and mixed fractions. Remember MAD (Multiply, Add, Denominator). An example is given.

Ex. $\quad 3\frac{4}{5} = \frac{19}{5} \qquad 19 \div 5 = 3\frac{4 \quad (remaider)}{5 \ (denominator)}$

$1\frac{3}{4} = $ _____

$\frac{15}{10} = $ _____

$1\frac{2}{5} = $ _____

$\frac{26}{8} = $ _____

$2\frac{3}{8} = $ _____

$\frac{16}{6} = $ _____

$1\frac{3}{100} = $ _____

$\frac{28}{12} = $ _____

$4\frac{5}{12} = $ _____

Multiply. Express your answer as a mixed fraction.

$4 \times \frac{1}{6} =$

$8 \times \frac{1}{8} =$

$3 \times \frac{6}{8} =$

$2 \times \dfrac{7}{10} =$ $\qquad$ $2 \times \dfrac{11}{12} =$ $\qquad$ $6 \times \dfrac{3}{4} =$

Write each of the following as a decimal.

9 tenths = _____

18 tenths = _____

$\dfrac{5}{10} =$ _____

$2\dfrac{6}{10} =$ _____

$1\dfrac{7}{100} =$ _____

$3\dfrac{45}{100} =$ _____

Write the following as a fraction.

0.16 = _____

4.05 = _____

8.13 = _____

0.5 = _____

0.35 = _____

2.71 = _____

Round the following decimals to the nearest tenths place.

5.26 = _____

12.15 = _____

3.45 = _____

4.83 = _____

15.04 = _____

9.98 = _____

Write each fraction or mixed number as a decimal.

THINK: The denominator has to be 10 or 100 on the bottom.

Example: $\dfrac{3}{4} \quad \dfrac{x25}{x25} = \dfrac{75}{100}$

$1\dfrac{4}{5} =$

$\dfrac{17}{20} =$

$\dfrac{9}{4} =$

$3\dfrac{13}{20}$

$4\dfrac{1}{2}$

$\dfrac{4}{5}$

IXL Skill Recommendations: (These are not mandatory)

A.1

Convert between standard and expanded form

HU7

B.1

Add and subtract whole numbers up to billions

6J2

C.4

Multiply numbers ending in zeroes

3V9

D.16

Divide 4-digit numbers by 2-digit numbers

35K

G.17

Convert fractions to decimals

6QG

DD.1

Perimeter with whole number side lengths

UJ2

DD.5

Area of squares and rectangles

E6B

L.3

Add and subtract fractions with like denominators

FXW

K.6

Convert between improper fractions and mixed numbers

B7X