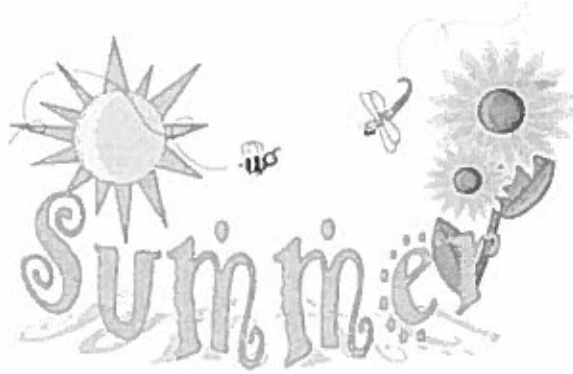


You Are Almost a 6th Grader!



Dear Soon-to-be 6th Grader,

Just like reading, regular practice over the summer with problem solving, computation, and math facts will help to maintain and strengthen the mathematical gains you made over the school year.

This packet contains skills that are essential for success in the 6th grade math class. Next to all of the skills are the IXL skill letter & number so you can go online and practice as much as you need.

We recommend you take a couple weeks off to relax and unwind, then work on this packet a little at a time to get you ready for 6th grade. An Answer Key will be posted on our websites mid-August for you to check your answers.

We hope you have a wonderful summer!

Mrs. Drewisis & Ms. Menze

Name: _____

IXL Skills in parenthesis

1) $613 \times 82 = \underline{\hspace{2cm}}$ (C.14) 2) $588 \div 17 = \underline{\hspace{2cm}}$ (D.11 & D.12)

3) $3.457 + 28.6 = \underline{\hspace{2cm}}$ (H.1, H.3, H.4) 4) $83.9 - 2.389 = \underline{\hspace{2cm}}$ (H.2, H.3, H.4)

5) What number is halfway between 2.5 and 6.4 on a number line? (G.8)

6) Study your Multiplication Facts.

$9 \times 8 = \underline{\hspace{1cm}}$	$7 \times 9 = \underline{\hspace{1cm}}$	$6 \times 7 = \underline{\hspace{1cm}}$	$9 \times 6 = \underline{\hspace{1cm}}$
$7 \times 8 = \underline{\hspace{1cm}}$	$8 \times 8 = \underline{\hspace{1cm}}$	$12 \times 3 = \underline{\hspace{1cm}}$	$3 \times 9 = \underline{\hspace{1cm}}$
$7 \times 7 = \underline{\hspace{1cm}}$	$12 \times 9 = \underline{\hspace{1cm}}$	$4 \times 6 = \underline{\hspace{1cm}}$	$8 \times 6 = \underline{\hspace{1cm}}$
$12 \times 7 = \underline{\hspace{1cm}}$	$9 \times 6 = \underline{\hspace{1cm}}$	$7 \times 4 = \underline{\hspace{1cm}}$	$6 \times 8 = \underline{\hspace{1cm}}$

7) Evaluate. (O.4)

a) $15 + (14 - 3 \times 2) \times 5$ b) $215 - 10^2 \times 2 + 63 \div 7$

8) Sarah bought 4 skirts for \$15.85 each and a belt for \$7.89. She gave the cashier \$100. How much change will she receive? (I.4 & I.5)

9) Dave went with 4 friends to the movies. The bill totaled \$64.57. How much did each person pay? (J.3 & J.5)

10) Write these in standard form: (A.1 & A.5)

- | | |
|--|-------|
| a. 16 hundreds, 14 tens, 9 ones | _____ |
| b. 7 thousands, 43 hundreds, 25 ones | _____ |
| c. 44 tens, 27 ones | _____ |
| d. $10,000 + 500 + 20 + 0.2 + 0.004$ | _____ |
| e. $600,000 + 30,000 + 200 + 3 + 2/10 + 4/100$ | _____ |
| f. six thousand, five hundred, sixty-five | _____ |
| g. five million, eighty-six thousand | _____ |
| h. seven and four tenths | _____ |
| i. fifty-four and three hundredths | _____ |

- 11) Round 43,567 to the hundreds place _____ (A.7)
 12) Round 2,345 to the tens place _____ (A.7)
 13) Round 53.473 to the nearest tenth _____ (G.7)
 14) Round 65.789 to the hundredths place _____ (G.7)

15) Represent each fraction as a place on a number line or using a picture.
 Then convert each fraction to a decimal. (G.12, G.13, & K.8)

a. $\frac{4}{7}$

b. $\frac{2}{3}$

c. $\frac{3}{4}$

d. $\frac{1}{2}$

e. $2\frac{1}{5}$

f. $1\frac{2}{4}$

g. $1\frac{1}{8}$

16) Complete the table. (G.12 & G.13)

	Fraction (simplified) <i>(some already are)</i>	How much to the next whole?	Decimal <i>(round to thousandths)</i>
$\frac{1}{8}$			
$\frac{2}{8}$			
$\frac{3}{8}$			
$\frac{4}{8}$			
$\frac{5}{8}$			
$\frac{6}{8}$			
$\frac{7}{8}$			
$\frac{1}{3}$			
$\frac{2}{3}$			

COMPUTE:

17) $\frac{2}{3} + \frac{3}{7}$ (L.8)

18) $2\frac{2}{5} + 3\frac{1}{4}$ (L.18)

19) $\frac{5}{7} - \frac{1}{4}$ (L.10)

20) $2\frac{2}{5} - 1\frac{3}{4}$ (L.19)

21) $\frac{2}{5} \times \frac{10}{13}$ (M.15 & M.16)

22) $\frac{3}{2} \times 1\frac{7}{9}$ (M.24 & M.25)

23) $\frac{1}{6} \div 3$ (N.1)

24) $2 \div \frac{1}{3}$ (N.2)

25) Convert each measurement. (Y.1, Z.2, Z.3, Z.4, Z.5, Z.8, Z.9, Z.10, Z.11, Z.17)

3 ft. = _____ in.

4 yds. = _____ ft.

48 in. = _____ ft.

5 ft. = _____ yds.

4 pints = _____ cups

7 quarts = _____ pints

2 m = _____ cm

7 gallons = _____ quarts

4 hours = _____ min.

12 cups = _____ pints

42 minutes = _____ seconds

64 cups = _____ quarts

26) The best unit to measure the perimeter of school would be: (Z.1)

- a. feet b. miles c. inches d. cups

27) The best unit to measure the amount of water in a pool would be: (Z.1)

- a. cups b. gallons c. yards² d. yards³

28) The area of the floor in a classroom is best measured in: (Z.1)

- a. quarts b. inches c. feet³ d. feet²

29) Draw a rectangle. Explain why the figure you drew is a rectangle. (BB.7)

30) Draw a parallelogram. Explain why the figure you drew is a parallelogram. (BB.5)

31) Draw a triangle. Explain why the figure you drew is a triangle. (BB.1, BB.2, BB.3)

32) Draw a trapezoid. Explain why the figure you drew is a trapezoid. (BB.6)

33) The area of a square is 36 sq. meters. Find the perimeter of the square. (EE.1, EE.4)

34) The perimeter of a square is 60 inches. What is the area of the square? (Z.22)

35) A rectangle has a length of 6.2 ft. and a width of 4.5 ft. Find the area and perimeter of the rectangle. (EE.2, EE.4)

36) Change these mixed numbers to improper fractions: (K.6)

a. $2\frac{4}{7}$

b. $4\frac{5}{9}$

c. $8\frac{1}{4}$

d. $3\frac{6}{7}$

e. $7\frac{1}{3}$

37) Change these improper fractions to simplified mixed numbers: (K.6)

a. $\frac{12}{5}$

b. $\frac{37}{6}$

c. $\frac{8}{3}$

d. $\frac{21}{9}$

e. $\frac{65}{4}$