

Welcome to Math 6! In order to keep your numbers skills fresh over the summer, please complete the summer math work. It will be collected the first week of school – FOR A GRADE.

Each week, students are to work on:

- **Number of the Day** sheets
- **Fact practice** - Students need to know addition, subtraction, multiplication, and division facts up to 12. Summer is a great time to review these skills. Some drill pages are attached in the packet. There are also many online games and resources that can be used as well as flashcards.
- Each student should complete one hour of **IXL math** work during the months of June, July, and August (each) over their summer break – working on grade level skills. Please use your school account so progress can be recorded and complete the attached IXL sheet.

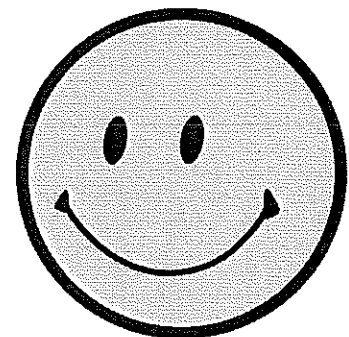
For the number of the day sheets, these reviews basic skills that will need to be mastered before you begin 6<sup>th</sup> grade. The numbers to be used are in the thought bubble at the top of the page. You do not need to do the work on the template sheets, but please do all work in a notebook OR on loose-leaf paper. All work must be shown (no calculators). Please label what page you are on, what question you are on, and what the number if the day is. Please use a pencil!

Have a great summer. I look forward to seeing you in the fall!

Sr. Elise, O.P.

The following is a suggested time spacing:

- July 2 – Number of the Day (A)
- July 9 - Decimal of the Day (C)
- July 16 – Fraction of the Day (E)
- July 23 - Problem of the Day (G)
- July 30 - Number of the Day (B)
- August 6 - Decimal of the Day (D)
- August 13 - Fraction of the Day (F)
- August 20 - Problem of the Day (H)
- August 27 - Problem of the Day (I)



Dear Students and Parents,

For all incoming math students in grades 6-8, students should complete the attached packet as well as complete IXL computer time. Each student should complete one hour of math work during the months of June, July, and August (each) over their summer break – working on grade level skills.

Enjoy the summer!

Sr. Elise, O.P.

Please record your IXL work below:

	Skills I worked on:	What is my Smart Score in these skills?
<b>June</b>		
<b>July</b>		
<b>August</b>		

# EXAMPLE

Name

Date

Number - A  
4,005

$$\begin{array}{r} \textcircled{1} \quad 4005 \\ + \quad 8 \\ \hline 4013 \end{array}$$

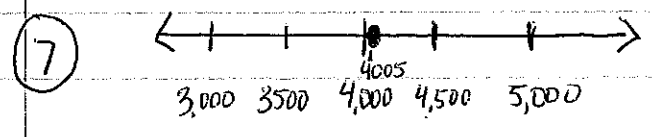
$$\begin{array}{r} \textcircled{2} \quad 4005 \\ - \quad 3 \\ \hline 4002 \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 4005 \\ \times \quad 5 \\ \hline 20,025 \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 1001R1 \\ 4 \overline{)4005} \\ \underline{4} \phantom{005} \\ 0005 \\ \underline{4} \phantom{00} \\ 1 \end{array}$$

⑤ four thousand five

$$\textcircled{6} (4 \times 1000) + (5 \times 1)$$



## Number of the Day - A

### Numbers:

3,001  
299  
406,009  
989

1. Add 8

4. Divide by 4

Number of the Day

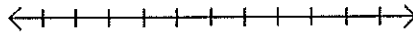
2. Subtract 3

3. Multiply by 5

5. Write it in Word Form

6. Write it in Expanded Form

7. Put the number on a number line with 4 other points



## Number of the Day - B

### Numbers:

987,123  
468,009  
100,628  
24,554

1. Add 15

4. Divide by 12

Number of the Day

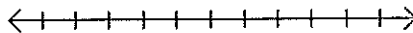
2. Subtract 17

3. Multiply by 13

5. Write it in Word Form

6. Write it in Expanded Form

7. Put the number on a number line with 4 other points  
(do not count by 1s)



### Decimal of the Day - C

**Decimals:**

2.1  
5.9  
6.3  
2.4

1. Add  
3.5

Decimal  
of the  
Day

2. Subtract  
1.2

3. Multiply  
by 2.4

4. Divide  
by 2

5. Write it in  
Word Form

6. Write it in  
Expanded Form

7. Put the decimal on a number line between two whole numbers



### Decimal of the Day - D

**Decimals:**

6.32  
5.99  
7.06  
5.09

1. Add  
6.01

Decimal  
of the  
Day

2. Subtract  
3.99

3. Multiply  
by 3.1

4. Divide  
by 4

5. Write it in  
Word Form

6. Write it in  
Expanded Form

7. Put the decimal on a number line between two whole numbers



## Fraction of the Day - E

Fractions:

$$\frac{3}{4} \quad \frac{2}{6} \quad \frac{5}{12} \quad \frac{3}{9}$$

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

4. Divide  
by  $\frac{1}{4}$

Fraction  
of the  
Day

2. Subtract  
 $\frac{1}{8}$

3. Multiply  
by  $\frac{2}{3}$

5. Write it in Word  
Form

6. Make two  
equivalent fractions

7. Put the fraction on a number line between 0 and 1



## Fraction of the Day - F

Fractions:

$$\frac{6}{5} \quad \frac{3}{12} \quad \frac{5}{15} \quad \frac{3}{4}$$

1. Add  $\frac{3}{5}$

4. Divide  
by  $\frac{1}{3}$

Fraction  
of the  
Day

2. Subtract  
 $\frac{1}{6}$

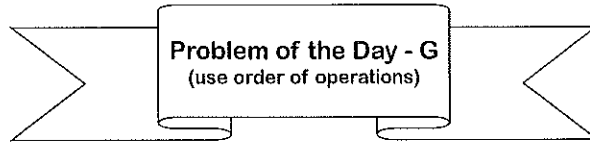
3. Multiply  
by  $\frac{3}{4}$

5. Write it in Word  
Form

6. Make two  
equivalent fractions

7. Put the fraction on a number line between 0 and 1

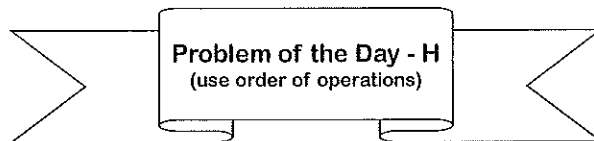




**Problem of the Day - G**  
(use order of operations)

**Compute.**

- |                          |                            |                              |
|--------------------------|----------------------------|------------------------------|
| 1. $8 \times 2 \div 4$   | 2. $4 \times 6 + 3$        | 3. $2 \times 7 - 4$          |
| 4. $81 \div 9 - 3$       | 5. $64 \div 8 + 5$         | 6. $8 + 3 \times 4 - 5$      |
| 7. $9 + 45 \div 5 - 3$   | 8. $9 \times 4 \div 6 + 7$ | 9. $48 \div 6 \times 3 - 5$  |
| 10. $27 - 16 \div 4 + 2$ | 11. $18 - 3 \times 2 + 9$  | 12. $81 \div 9 - 2 \times 3$ |



**Problem of the Day - H**  
(use order of operations)

- |                                  |                                   |
|----------------------------------|-----------------------------------|
| 13. $4 - 9 \div 3 - 1$           | 14. $16 \div 4 + 2 \times 6$      |
| 15. $(3 \times 7) + (64 \div 8)$ | 16. $(18 - 9) \div (1 + 2)$       |
| 17. $20 + 6 \div 3 - 7$          | 18. $24 - 8 \div 4 \times 3$      |
| 19. $18 \times (11 - 6)$         | 20. $7 + (19 - 2) \times 3$       |
| 21. $3 + 5 \times 10 \div 2 + 8$ | 22. $17 + 63 \div 3 \times 6 - 9$ |

**Problem of the Day - I**  
(use order of operations)

23.  $59 - 45 \div 5 \times 3 + 41$

24.  $134 - 8 \div 4 \times 2$

25.  $10 \times 4 + (49 \div 7) \times 2$

26.  $(35 \div 5) \times 2 + 3 \times 6$

27.  $18 - 3 \div 3 + (63 \div 3) - 6$


28.  $19 - 4 \times 2 + (19 - 3) \div 4$

29.  $(28 \div 7) + 5 - 3 + (7 \times 2)$

30.  $4 + (29 - 2) \div 9 + (16 \div 2)$

31.  $(4 \times 8) - 5 + (0 \div 6)$

32.  $(24 \div 6) - 3 + (2 \times 4)$



Please bring your completed  
summer work to school with you  
on the first day!









## Division Facts (B)

Find each quotient.

$70 \div 7 =$

$49 \div 7 =$

$54 \div 6 =$

$81 \div 9 =$

$60 \div 10 =$

$84 \div 12 =$

$8 \div 4 =$

$20 \div 4 =$

$18 \div 6 =$

$66 \div 6 =$

$99 \div 9 =$

$90 \div 9 =$

$50 \div 5 =$

$84 \div 7 =$

$33 \div 3 =$

$44 \div 11 =$

$100 \div 10 =$

$24 \div 6 =$

$96 \div 12 =$

$30 \div 10 =$

$12 \div 4 =$

$27 \div 9 =$

$10 \div 5 =$

$11 \div 11 =$

$110 \div 10 =$

$42 \div 7 =$

$99 \div 11 =$

$22 \div 11 =$

$11 \div 1 =$

$5 \div 1 =$

$77 \div 7 =$

$55 \div 5 =$

$14 \div 7 =$

$60 \div 12 =$

$48 \div 4 =$

$45 \div 5 =$

$4 \div 4 =$

$44 \div 4 =$

$88 \div 11 =$

$12 \div 1 =$

$40 \div 5 =$

$60 \div 5 =$

$15 \div 5 =$

$55 \div 11 =$

$20 \div 5 =$

$50 \div 10 =$

$108 \div 9 =$

$3 \div 1 =$

$96 \div 12 =$

$8 \div 1 =$

$11 \div 1 =$

$45 \div 5 =$

$28 \div 7 =$

$54 \div 6 =$

$8 \div 2 =$

$22 \div 2 =$

$4 \div 4 =$

$56 \div 7 =$

$24 \div 3 =$

$25 \div 5 =$

$32 \div 8 =$

$36 \div 3 =$

$9 \div 9 =$

$22 \div 11 =$

$2 \div 1 =$

$108 \div 12 =$

$35 \div 5 =$

$6 \div 1 =$

$60 \div 12 =$

$16 \div 8 =$

$36 \div 12 =$

$9 \div 1 =$

$121 \div 11 =$

$8 \div 4 =$

$9 \div 3 =$

$72 \div 12 =$

$4 \div 1 =$

$77 \div 7 =$

$10 \div 2 =$

$36 \div 4 =$

$24 \div 8 =$

$6 \div 3 =$

$30 \div 3 =$

$16 \div 4 =$

$70 \div 7 =$

$42 \div 7 =$

$44 \div 11 =$

$144 \div 12 =$

$18 \div 9 =$

$99 \div 9 =$

$70 \div 10 =$

$18 \div 3 =$

$12 \div 6 =$

$21 \div 7 =$

$30 \div 10 =$

$24 \div 4 =$

$14 \div 2 =$

$15 \div 3 =$

$132 \div 11 =$

$24 \div 12 =$

## Division Facts (A)

Find each quotient.

$6 \div 3 =$	$9 \div 3 =$	$5 \div 5 =$	$25 \div 5 =$
$2 \div 2 =$	$42 \div 6 =$	$56 \div 7 =$	$6 \div 6 =$
$96 \div 8 =$	$16 \div 8 =$	$18 \div 3 =$	$45 \div 9 =$
$20 \div 2 =$	$120 \div 10 =$	$18 \div 2 =$	$60 \div 6 =$
$56 \div 8 =$	$32 \div 8 =$	$12 \div 2 =$	$24 \div 8 =$
$77 \div 11 =$	$7 \div 7 =$	$30 \div 5 =$	$8 \div 8 =$
$16 \div 4 =$	$66 \div 11 =$	$12 \div 3 =$	$30 \div 3 =$
$20 \div 5 =$	$72 \div 12 =$	$9 \div 1 =$	$14 \div 2 =$
$21 \div 3 =$	$12 \div 6 =$	$30 \div 6 =$	$63 \div 7 =$
$1 \div 1 =$	$9 \div 9 =$	$54 \div 9 =$	$108 \div 9 =$
$132 \div 12 =$	$28 \div 4 =$	$6 \div 1 =$	$10 \div 2 =$
$132 \div 11 =$	$36 \div 6 =$	$3 \div 3 =$	$12 \div 12 =$
$48 \div 6 =$	$36 \div 12 =$	$2 \div 1 =$	$24 \div 12 =$
$72 \div 6 =$	$8 \div 2 =$	$3 \div 1 =$	$24 \div 2 =$
$15 \div 3 =$	$36 \div 9 =$	$40 \div 8 =$	$22 \div 2 =$
$40 \div 10 =$	$36 \div 4 =$	$21 \div 7 =$	$35 \div 5 =$
$10 \div 10 =$	$40 \div 4 =$	$4 \div 1 =$	$7 \div 1 =$
$110 \div 11 =$	$24 \div 4 =$	$8 \div 1 =$	$48 \div 12 =$
$72 \div 8 =$	$121 \div 11 =$	$4 \div 2 =$	$36 \div 3 =$
$50 \div 10 =$	$63 \div 9 =$	$35 \div 7 =$	$72 \div 9 =$
$20 \div 10 =$	$144 \div 12 =$	$80 \div 8 =$	$80 \div 10 =$
$27 \div 3 =$	$108 \div 12 =$	$48 \div 8 =$	$24 \div 3 =$
$88 \div 8 =$	$16 \div 2 =$	$70 \div 10 =$	$64 \div 8 =$
$28 \div 7 =$	$33 \div 11 =$	$6 \div 2 =$	$120 \div 12 =$
$90 \div 10 =$	$10 \div 1 =$	$18 \div 9 =$	$32 \div 4 =$

## Division Facts (C)

Find each quotient.

$72 \div 8 =$	$10 \div 10 =$	$27 \div 9 =$	$48 \div 4 =$
$60 \div 10 =$	$33 \div 3 =$	$132 \div 12 =$	$5 \div 1 =$
$60 \div 5 =$	$20 \div 10 =$	$11 \div 11 =$	$12 \div 3 =$
$20 \div 4 =$	$96 \div 8 =$	$10 \div 5 =$	$49 \div 7 =$
$27 \div 3 =$	$5 \div 5 =$	$35 \div 7 =$	$48 \div 12 =$
$10 \div 1 =$	$24 \div 2 =$	$88 \div 8 =$	$55 \div 11 =$
$7 \div 1 =$	$33 \div 11 =$	$21 \div 3 =$	$1 \div 1 =$
$12 \div 1 =$	$120 \div 10 =$	$63 \div 7 =$	$90 \div 9 =$
$12 \div 2 =$	$84 \div 12 =$	$64 \div 8 =$	$110 \div 10 =$
$32 \div 4 =$	$7 \div 7 =$	$56 \div 8 =$	$15 \div 5 =$
$84 \div 7 =$	$6 \div 6 =$	$90 \div 10 =$	$18 \div 2 =$
$120 \div 12 =$	$20 \div 2 =$	$30 \div 6 =$	$14 \div 7 =$
$66 \div 11 =$	$3 \div 3 =$	$12 \div 12 =$	$55 \div 5 =$
$80 \div 8 =$	$40 \div 5 =$	$110 \div 11 =$	$30 \div 5 =$
$16 \div 2 =$	$40 \div 10 =$	$50 \div 5 =$	$40 \div 4 =$
$77 \div 11 =$	$18 \div 6 =$	$80 \div 10 =$	$48 \div 8 =$
$72 \div 6 =$	$100 \div 10 =$	$60 \div 6 =$	$28 \div 4 =$
$45 \div 9 =$	$81 \div 9 =$	$36 \div 9 =$	$99 \div 11 =$
$12 \div 4 =$	$63 \div 9 =$	$72 \div 9 =$	$88 \div 11 =$
$44 \div 4 =$	$54 \div 9 =$	$40 \div 8 =$	$24 \div 6 =$
$66 \div 6 =$	$6 \div 2 =$	$2 \div 2 =$	$48 \div 6 =$
$36 \div 6 =$	$8 \div 8 =$	$42 \div 6 =$	$4 \div 2 =$
$36 \div 6 =$	$32 \div 4 =$	$56 \div 8 =$	$27 \div 3 =$
$40 \div 5 =$	$90 \div 9 =$	$32 \div 8 =$	$96 \div 12 =$
$10 \div 10 =$	$72 \div 6 =$	$16 \div 2 =$	$48 \div 6 =$