

Dear incoming 8th grade student,

May 2026

I am looking forward to working with you next year! In order to retain the skills you have learned this year, I am sending you a summer math packet to complete.

Attached is the packet to be completed by the first day of school. This will be your first grade of the year. Make sure to **show all work neatly** when appropriate. **DO NOT USE CALCULATORS**. If you are having trouble with a concept in the packet, you may use your current math notebook or access any of the websites below for review.

Khan Academy

IXL

Math Antics

Prodigy

Have a great summer and I will see you next year!

Blessings,

Mrs. Schicitano

MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

WEEK 1

SET **A**

1. Which is equivalent to the fraction below?

$$\frac{5}{8}$$

- A. 0.58
B. 0.625
C. 0.675
D. 1.6

2. A theater has 34 rows of seats. If there are 17 seats in each row, how many seats are in the theater?

3. Which numbers are divisible by 3? Check all that apply.

☐ 78	☐ 139	☐ 203
☐ 397	☐ 414	☐ 657

4. What is the value of the expression below in simplest form?

$$\frac{12}{4^3}$$

A. 1

C.

$$\frac{3}{16}$$

B. 27

D.

$$\frac{3}{8}$$

MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

WEEK 1

SET **B**

1. The table below gives the weight of three packages. What is the difference between the combined weight of Package A and Package B and the weight of Package C?

Package	A	B	C
Weight (oz)	2.93	1.7	5.04

2. Which set of numbers has a greatest common factor of 12?

- A. 3 and 4
B. 6 and 18
C. 32 and 48
D. 36 and 96

3. What is the product of 2.5 and 7.08?

4. Which number has a 7 in the hundredths place?

- A. 108.0754
B. 702.1625
C. 65.5172
D. 149.7028

MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

WEEK 2

SET A

1. Alyssa filled her car tank with 16.8 gallons of gas. If gas costs \$2.85 per gallon, how much did she pay? Round to the nearest cent.

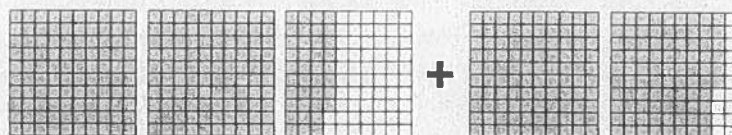
2. Which expression results in the greatest value?

- A. $-20 + (-3)$
 B. $-17 + 12$
 C. $-14 + (-18)$
 D. $-8 + 9$

3. Bus A stops at a certain bus stop every 25 minutes. Bus B stops at the same stop every 40 minutes. If both buses are at the bus stop at 9:30 a.m., when is the next time they will be there together again?

- A. 12:20 p.m.
 B. 12:50 p.m.
 C. 1:10 p.m.
 D. 1:30 p.m.

4. What is the value of the expression modeled by the decimal grids below?



- A. 4.24
 B. 4.32
 C. 4.38
 D. 4.46

MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

WEEK 2

SET B

1. On a certain day, Miquel had a credit of \$75 in his checking account and spent \$240. Which represents the total change in his account that day?

- A. \$315
 B. \$365
 C. -\$135
 D. -\$165

2. Which fraction is equivalent to 0.008?

- A. $\frac{2}{250}$
 B. $\frac{4}{250}$
 C. $\frac{2}{25}$
 D. $\frac{4}{25}$

3. If the fractions below are equivalent, what are possible values for m and n ?

$$\frac{16}{36} = \frac{m}{n}$$

- A. $m = 4, n = 6$
 B. $m = 12, n = 32$
 C. $m = 20, n = 42$
 D. $m = 24, n = 54$

4. In which quadrant is the point $(7, -2)$ located on the coordinate plane?

- A. Quadrant I
 B. Quadrant II
 C. Quadrant III
 D. Quadrant IV

MATH 7 REVIEW

Name: _____

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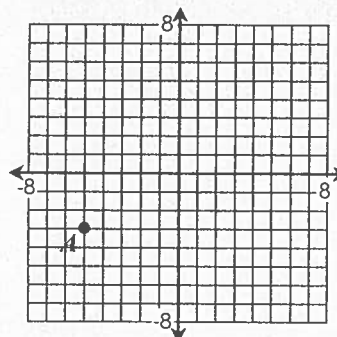
WEEK 3

SET C

1. Write the fraction below as an improper fraction in simplest form.

$$7\frac{1}{16}$$

2. Give the coordinates of point A on the graph below.



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3. Mrs. Green made treat bags using 132 chocolates and 72 lollipops. She made the greatest number of bags possible using all the candy, and the combination of chocolates and lollipops in each bag is the same. How many total pieces of candy are in each bag?

- A. 12
B. 15
C. 17
D. 18

4. A bakery made $5\frac{1}{3}$ dozen donuts. If they sold $3\frac{5}{6}$ dozen, how many do they have remaining?

- A. $2\frac{1}{3}$ dozen
B. $2\frac{1}{6}$ dozen
C. $1\frac{1}{2}$ dozen
D. $1\frac{2}{3}$ dozen

MATH 7 REVIEW

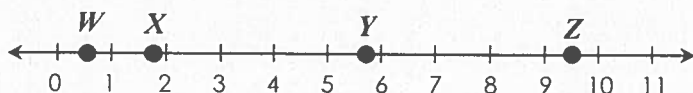
Name: _____

Date: _____ Per: _____

WEEK 3

SET D

1. Which point is closest to the value of $\frac{9}{5}$?



- A. W
B. X
C. Y
D. Z

2. Which value when placed in the box makes the statement true?

$$-16 - \boxed{?} = -2$$

- A. -14
B. -18
C. 14
D. 18

3. Which values could be placed in the box to make the 5-digit number divisible by 6? Check all that apply.

$$17,95\boxed{?}$$

☐ 0	☐ 1	☐ 2	☐ 3	☐ 4
☐ 5	☐ 6	☐ 7	☐ 8	☐ 9

4. Dion purchased 1.2 pounds of grapes. If the grapes cost \$2.09 per pound, how much did he pay to the nearest cent?

MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

WEEK 5

SET **A**

1. What is the greatest common factor of 54 and 96?

2. A hockey team has won 27 of their first 40 games. What percent of the games have they won?

- A. 62.5%
B. 64.5%
C. 67.5%
D. 71.5%

3. How many $\frac{5}{8}$ -inch-thick slices of bread can be cut from a loaf of bread that is $16\frac{1}{2}$ inches long?

- A. 25
B. 26
C. 27
D. 28

4. Josh's mom gave him money to spend at an amusement park. So far, he's used $\frac{3}{10}$ of the money on games and $\frac{1}{4}$ of the money on rides. What fraction of the money does he have left? Give your answer as a fraction in simplest form.

MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

WEEK 5

SET **B**

1. Which product results in a 5 in the tens place?

- A. 12.16×1.25
B. 1.5×0.9
C. 21.45×0.4
D. 67.2×0.75

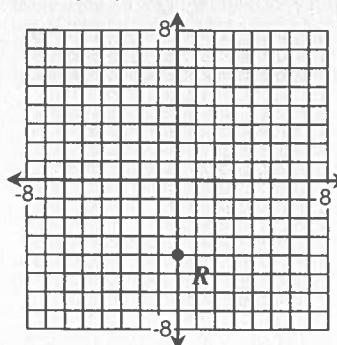
2. The depth of a lake at a dock is 8 feet. The deepest part of the lake is 52 feet deeper than this point. Which expression can be used to find the depth of the lake at its deepest point relative to the surface of the water?

- A. $-8 - (-52)$
B. $8 - (-52)$
C. $-52 + 8$
D. $-52 + (-8)$

3. 1.6% falls between which two values?

- A. 0.001 and 0.02
B. 0.1 and 0.2
C. 1.5 and 1.7
D. 0.15 and 0.17

4. Give the coordinates of point R on the graph below.



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MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

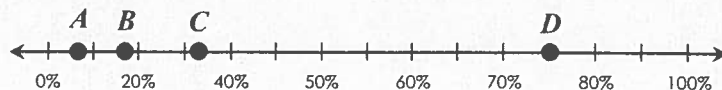
WEEK 6

SET C

1. Which has the least value?

- A. $(-15)^2$
- B. $(-3)^5$
- C. $(-6)^3$
- D. $(-4)^4$

2. Which is closest to the location of $\frac{3}{40}$ as a percent on number line below?



- A. A
- B. B
- C. C
- D. D

3. What is the value of a in the expression below?

$$0.000000149 = 1.49 \times 10^a$$

$a =$

4. Beginning from the surface of the water, a submarine descended at a rate of 72 feet per minute for 6 minutes, then ascended 18 feet. What is the location of the submarine relative to the surface of the water?

- A. -66 feet
- B. -96 feet
- C. -414 feet
- D. -450 feet

MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

WEEK 6

SET D

1. Between which two values does 5.8 lie?

- A. $\sqrt{5}$ and $\sqrt{6}$
- B. $\sqrt{5}$ and $\sqrt{10}$
- C. $\sqrt{10}$ and $\sqrt{12}$
- D. $\sqrt{25}$ and $\sqrt{36}$

2. Four values are given in the table below. Which correctly lists the values from least to greatest?

A	B	C	D
$\frac{2}{25}$	0.01×10^2	3%	$\frac{2}{9}$

- A. B, D, A, C
- B. C, A, D, B
- C. B, C, D, A
- D. C, D, B, A

3. Beth rode her bike for $7\frac{7}{8}$ miles, then ran $\frac{2}{3}$ of the distance she cycled. What was the total distance she cycled and ran?

- A. $12\frac{3}{4}$ miles
- B. $12\frac{5}{8}$ miles
- C. $13\frac{1}{4}$ miles
- D. $13\frac{1}{8}$ miles

4. What is the quotient of 30 and 0.08?

MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

WEEK 8

SET **A**

1. Which value is greater than 8.5%?

- A. 0.0009
- B. 0.12
- C. 0.0475
- D. 0.0086

2. Simplify the expression below.

$$7k - 10 + 2k - 2$$

3. If $m = -6 - (-2)$, find the value of the expression below.

$$m^2 - 5m$$

- A. -4
- B. 104
- C. 24
- D. 36

4. The value of a stock opened at -4 points. After 8 hours, the value of the stock was -52 points. What was the average change in the value of the stock each hour?

- A. 6 points per hour
- B. 8 points per hour
- C. -6 points per hour
- D. -8 points per hour

MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

WEEK 8

SET **B**

1. Which value has an absolute value greater than $\frac{7}{3}$?

- A. $-\frac{12}{5}$
- B. $-\frac{15}{8}$
- C. $\frac{9}{4}$
- D. $\frac{11}{6}$

2. Find the value of the expression below.

$$25.6 - 7.8 \div 0.4$$

- A. 5.8
- B. 6.1
- C. 42.9
- D. 44.5

3. Justin bought 9 bags of trail mix, with $4\frac{2}{3}$ cups of trail mix in each bag. If he is equally placing the trail mix into 12 bowls, how many cups of trail mix will go in each bowl?

- A. $2\frac{3}{4}$ cups
- B. $2\frac{7}{9}$ cups
- C. $3\frac{1}{2}$ cups
- D. $3\frac{1}{3}$ cups

4. Which expression is equivalent to the phrase "the quotient of n less than 7, and 4"?

- A. $\frac{n}{4} - 7$
- B. $7 - \frac{n}{4}$
- C. $\frac{n-7}{4}$
- D. $\frac{7-n}{4}$

MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

WEEK 9

SET A

1. Which values when placed in the box will make the value of the expression negative? Check all that apply.

$$-7 - \boxed{?}$$

☐ -15	☐ -7	☐ -3
☐ 0	☐ 5	☐ 15

2. Find the value of the expression below when $r = 5$ and $s = -2$.

$$r^2 + 8rs - s^2$$

- A. -51
B. -59
C. -66
D. -74

3. Write the expression below in factored form.

$$16k + 72$$

4. In which list are all values greater than $\frac{5}{12}$?

- A. $\left\{\frac{11}{25}, 0.9\%, \frac{3}{10}\right\}$
B. $\left\{5 \times 10^{-2}, 0.42, \frac{3}{8}\right\}$
C. $\left\{\frac{3}{5}, 8\%, \frac{9}{20}\right\}$
D. $\left\{1.2 \times 10^1, \frac{4}{9}, \frac{7}{16}\right\}$

MATH 7 REVIEW

Name: _____

Date: _____ Per: _____

WEEK 9

SET B

1. Travis bought b bags of mulch at \$7 each and used a \$5 coupon off his order. Which expression represents the total cost?

- A. $7(b - 5)$
B. $7 - 5b$
C. $7b - 5$
D. $7b + 5$

2. Kara lives $\frac{13}{20}$ miles from the bus stop. Her friend Liam lives $\frac{5}{8}$ miles from the bus stop. Which statement is true?

- A. Kara lives $\frac{1}{40}$ miles closer to the bus stop.
B. Liam lives $\frac{1}{40}$ miles closer to the bus stop.
C. Kara lives $\frac{3}{40}$ miles closer to the bus stop.
D. Liam lives $\frac{3}{40}$ miles closer to the bus stop.

3. Carole has 84 ounces of blue paint and 192 ounces of yellow paint that she is mixing into bowls to create green paint. What is the greatest number of bowls she can use if the green mixture in each bowl is the same?

- A. 8
B. 12
C. 16
D. 24

4. Which expression is equivalent to $a + a + b + b + c + c$?

- A. $2abc$
B. $a^2 + b^2 + c^2$
C. $2(a + b + c)$
D. $a^2b^2c^2$