

Rising 8th Grade HTCS

REQUIRED SUMMER LEARNING

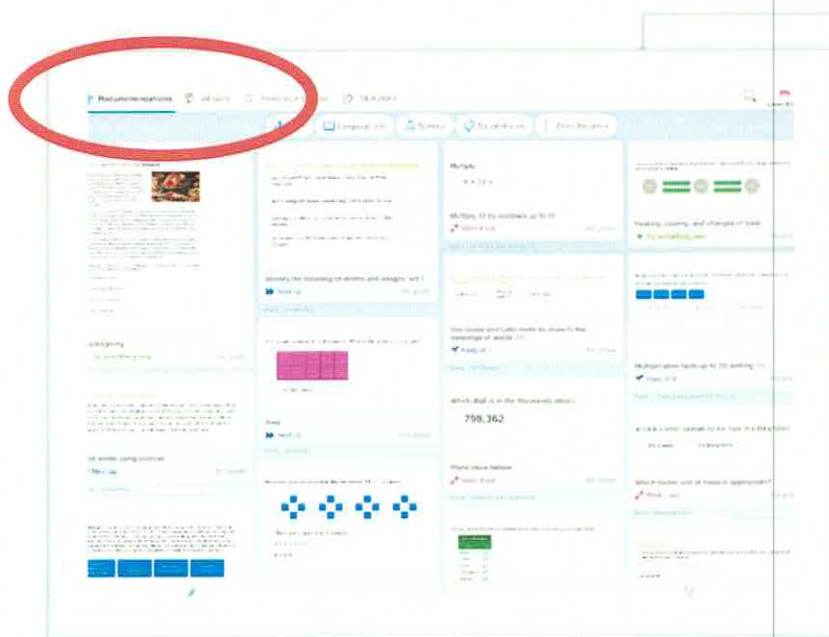
Math and Reading

MATH – IXL and Summer Calendar

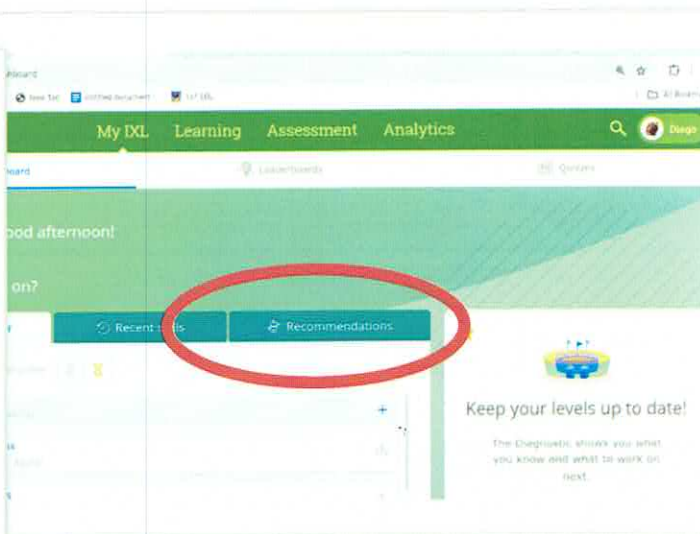
To keep your skills sharp over the summer, please follow the steps below for IXL math.

1. Log in to IXL using your usual username and password.
2. Once you're logged in, go to the **"Recommendations"** tab at the top of the screen. This section is personalized just for you and shows skills you are ready to work on next.
3. Choose a skill from the list and start practicing.
4. Work on each skill until you reach "Mastery" (a SmartScore of 100).
5. Your goal is to master **a minimum of 10 skills** over the summer. You can do more if you like!
6. Try to spread your practice out over the weeks – even 20 minutes a few times a week can make a big difference.
7. In addition to IXL, use the summer math calendar to complete short, daily activities to keep your math skills sharp. If you bring back your completed calendar in August, you'll be entered for a prize drawing.

Grading: Your summer IXL work will count as a graded assignment. You will receive a percentage grade based on the number of skills you complete to mastery: (10 skills = 100; 9 skills = 90; 8 skills = 80; and so on).



Chromebook View



i-Pad View

name _____

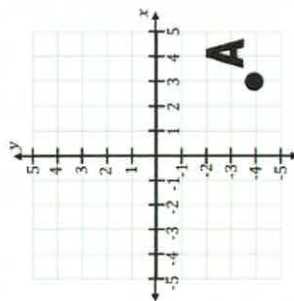


RECHARGE YOUR

7th gr. SKILLS

Solve $-3.5 \leq 4.8 + x$

Find $-4\frac{1}{7} - (-\frac{6}{7})$



Write an
ordered
pair.
A(,)

Find the absolute value.

-14

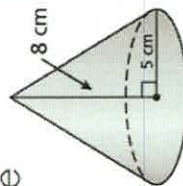
Solve $-5x + 9 = -16$

Find the unit rate.
165 miles in 3 hours

Solve $w + 13.2 = 10.4$

Find the percent of change
from 40 hours to 50
hours.

Find the volume of the
cone. Round your
answer to the
nearest tenth.



Evaluate.

$(-4)^3$

A store pays \$15 for a baseball
cap. The percent markup is 60%.
What is the selling price?

Solve $a - 16 = 24$

You put \$700 in an account. The
account earns \$224 simple interest in 8
years. What is the annual interest rate?

Solve $-2x + 6 = 14$

Find $5 - (-4)$

MON.

Tues.

Wed.

Thurs.

Fri.

name _____



RECHARGE YOUR

7th gr. SKILLS

Tell whether the ratios form a

proportion.

$\frac{4}{10}$ and $\frac{10}{25}$

Write as an equation. Then solve.

A number divided by -8 is 7

Find $-5\frac{1}{5} \div 2\frac{1}{3}$

MON.

Find the missing information.

Cost to store: \$75

Markup: _____

Selling Price: \$112.50

TUES.

Find $x - \frac{1}{8} - \frac{1}{2} = -\frac{7}{2}$

Find $2 - (-4)$

Evaluate $10 - x^2 \div y$ when
 $x=8$ and $y=-4$

Find the amount of time.

$I=\$30$, $P=\$500$, $r=3\%$

Simplify $4(5x + 6 - 9)$

WED.

What's the theoretical
probability of spinning a 4?



Find $-3 + (-12)$

Solve $z + \frac{3}{2} = \frac{1}{2}$

THURS.

Find $-18 \div (-6)$

Solve $-\frac{3}{4}y = -9$

Find the slope of the line that
passes through the two points.
 $(-4, -2)$, $(-2, -1)$

FRI.

name _____



RECHARGE YOUR

7th gr. SKILLS

Compare using $<$, $=$ or $>$ | Solve $4\frac{2}{5} + k = -3\frac{2}{11}$

Evaluate $2+3+(-2)$

MON.

-7 ____ $| -8 |$

Simplify $\frac{3}{4}y + 12 - \frac{1}{2}y - 6$

Write as a decimal.
 $4\frac{3}{16}$

You can do 90 sit-ups in 2 minutes. Your friend can do 135 sit-ups in 3 minutes. Are these rates proportional? Explain

Solve $\frac{y}{-4} > 6$ and graph the solution.

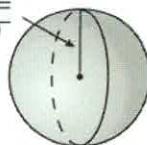
You put \$200 in a savings account. The account earns 2% simple interest per year. What is the interest earned after 5 years?

Multiply.

$-8 \bullet (-12)$

wed.

9 in Find the volume of this sphere. Round your answer to the nearest tenth.



Solve $x \frac{1}{6} - \frac{1}{3} = \frac{5}{3}$

The letters in the word **JACKSON** are placed in a hat. You randomly choose a letter from the hat. What is the theoretical probability of choosing a vowel?

Thurs.

Find $-32 \div (-4)$

Simplify $(6m+3) - 5(4m-2)$

Solve $10 \geq x + 12$

Fri.

name _____



RECHARGE YOUR

7th gr. SKILLS

Simplify $2.5x + 4.3x - 5$ Find $-\frac{8}{3} + \frac{5}{6}$

Your email account contains 135 messages. You delete 60% of the messages. How many messages are left?

MON.

Solve $\frac{x}{3} = -6$

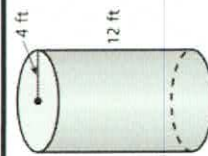
Find the slope of the line that passes through the two points.
 $(-3, -4), (6, 8)$

Find $-8 - (-13)$

TUES.

Evaluate $-7 - (-12) - 14$

Find the surface Area. Round your answer to the nearest tenth if necessary.



Multiply.

 $-2.5 \bullet 3.6$

WED.

9.5 is what percent of 25?

Find $-\frac{6}{5} \div (-\frac{1}{2})$ Solve $-3x + 2 > 11$

THURS.

Solve $-8 = \frac{3}{4}h - \frac{1}{2}h$ Write $3\frac{7}{40}$ as a decimal.Find $-5^2 + 6(-7)$

FRI.

name _____



RECHARGE YOUR

7th gr

SKILLS

Write an equation. Then solve.

The difference between the lengths of a paddle boat and a

pier is $-7\frac{3}{4}$ feet. The pier is $18\frac{3}{4}$

feet long. How long is the paddle boat?

Solve $-21 \geq -1.4y$

$$6 + 5Z - 3Z + Z$$

Terms: _____

Like Terms: _____

Multiply.

$$-5 \bullet (-6)$$

Find the unit rate.
\$9.60 for 8 cansFind $1.8(-5.1)$

Find the missing information.

Cost to store: _____

Markup: 15%

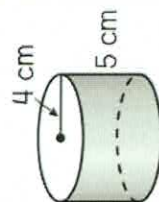
Selling Price: \$85.10

Order from least to greatest.
 $|2|, -3, |-5|, -1, 6$

The table shows the results of rolling a cube 50 times. What is the experimental probability of rolling a 3?

# rolled	1	2	3	4	5	6
Frequency	10	4	8	11	11	6

Find the volume of the cylinder. Round your answer to the nearest tenth.

Solve $2x - 9x = 28$

Find the annual simple interest rate.

 $I = \$24, P = \$400, t = 2$ yearsAdd. $-8.15 + (-4.3)$

Find 8-10

Solve $-\frac{2}{3}b \leq 2$

MON.

TUES.

wed.

Thurs.

FRI.

name _____



RECHARGE YOUR

7th gr. SKILLS

Solve $n+7 \geq -4$ Graph the solution.

Find the percent of change.
Round to the nearest tenth of a percent, if necessary.

Solve $-\frac{4}{5}x = -8$

MON.

10 inches to 25 inches

Solve $4-2y+3=-9$

Find $13+(-8)$

The original price of a T-shirt is \$15. The sale price includes a 35% discount. What is the sale price?

Tues.

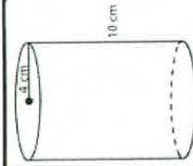
Multiply. $-7 \bullet 4$

Solve the proportion.

$$\frac{5}{8} = \frac{20}{d}$$

Find $-6\frac{1}{3} + \frac{20}{3}$

Wed.



Find the surface Area.

Find the sum $(x-8) + (4x+1)$

Solve $-3x+5=2$

Thurs.

Evaluate $-9-16-8$

Find $(-\frac{1}{2})^3$

Find $-3 \cdot (3-5)^2$

Fri.

name _____



RECHARGE YOUR

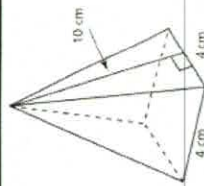
7th gr. SKILLS

Solve $x-2 < 1$ Graph the solution.

You added 12 new songs to your playlist. Then you deleted 5 old songs. Write each amount as an integer.

Find $3\frac{1}{4} \div (-1\frac{1}{8})$

MON.



Find the surface area of this regular pyramid.

Find the sum.

$50 + (-40) + 75 + (-50)$

TUES.

Find $75 \div (-25)$

Solve the proportion.

$$\frac{40}{z+1} = \frac{15}{6}$$

If you were to roll the dice one time what is the theoretical probability it will not land on a 2?



WED.

39 is 52% of what number?

Find $-4.05 + 7.62$

Solve $18 = -4y$

THURS.

Solve $-15 = \frac{5}{2}d$

Simplify $-3(5y + \frac{1}{3}) - 9y$

Solve $x-6 > -4$

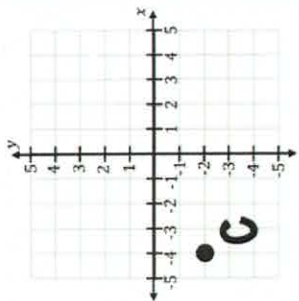
FRI.

name _____



RECHARGE YOUR

7th gr. SKILLS



Write an ordered pair.

C(,)

Write an equation. Then solve.

A company makes a profit of \$1.38 million. This is \$2.54 million more than last year.

What was the profit last year?

A savings account earns 4.5% annual simple interest. The principal is \$1,300. What is the balance after 3 years?

Evaluate $7(\frac{2}{7} \cdot \frac{1}{4})$

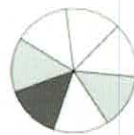
Write the ratio as a fraction in simplest form.
30 to 50

Find $-3+7$

Divide.

$$\begin{array}{r} 84 \\ -4 \end{array}$$

If you spun the spinner 1 time, what is the probability of landing on either a white piece or a black piece?



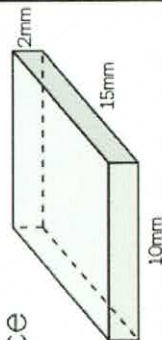
Solve $-14 = \frac{2}{3}x$

Multiply. $q(-7)$

What number is 24% of 50?

Find the difference
 $(11w+3) - (5w-2)$

Find the surface Area.



Solve $d + \frac{1}{4} = \frac{3}{4}$

MON.

Tues.

wed.

Thurs.

Fri.