

Rising 7th Grade HTCS

REQUIRED SUMMER LEARNING

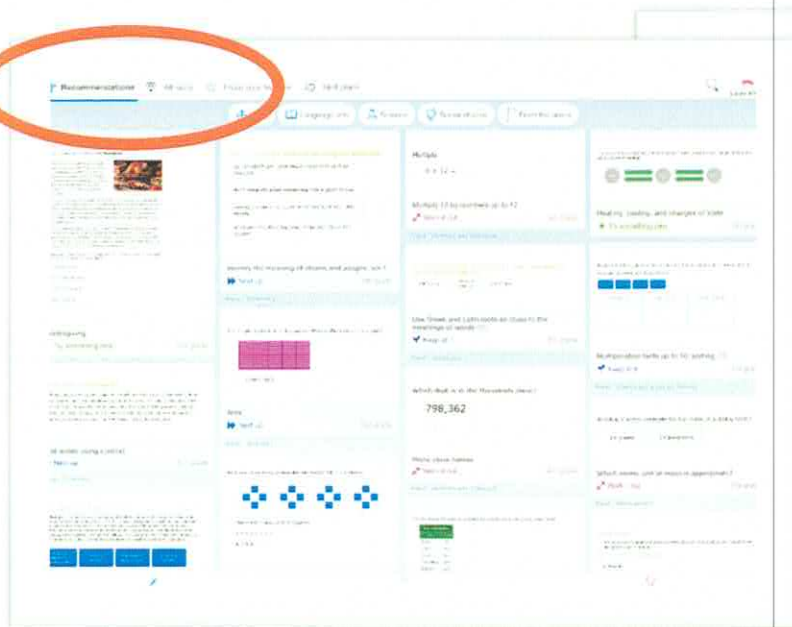
Math and Reading

MATH – IXL and Summer Calendar

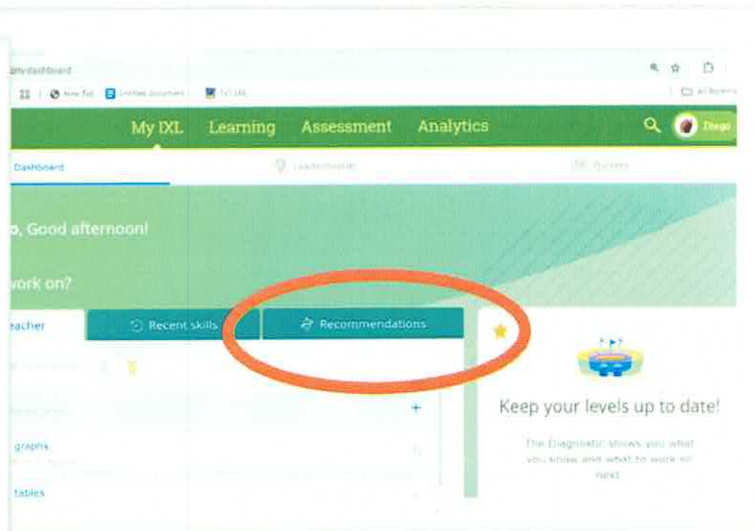
To keep your skills sharp over the summer, please follow the steps below for IXL math.

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).



I-Pad View



Chromebook View

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

1

Is this a statistical question?
How many points did Ray score on the reading test?

8

What percentage of people like pineapple on pizza?

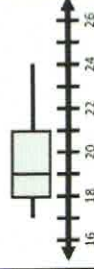
Response	Frequency
Like	24
Dislike	56

15

What is the mode of this data set?
7, 8, 5, 4, 4, 7, 4, 9

22

What is the range of this data set?



29

What is the median of this data set?

TJ's Jump Length (m)
15
0.9
16
14
18
14

2

What is the least common multiple of 9 and 12?

9

What is the greatest common factor of 30 and 45?

16

What integer describes this situation? Ryan withdraws \$150 from his bank account.

23

What numbers have an absolute value of 27?

30

What is the opposite of the integer 49?

3

Write the ratio of circles to squares.

10

Out of 32 students, 12 are boys. What is the ratio of girls to boys?

17

Flowers	Vases
16	2
32	4
56	?

24

25% of the cupcakes sold were chocolate. If 156 cupcakes were sold, how many were chocolate?

4

Solve.
 $70,483 \times 25$

11

Solve.
 $6,375 \div 14$
If there's a remainder, write it as a fraction.

18

Solve.
 $546.392 + 68.7$

25

Solve.
 $7,000 - 317.521$

5

Solve. Simplify your answer.
 $8 \div \frac{2}{5}$

12

Order from least to greatest.
 $\frac{13}{16}$, $3\frac{37}{48}$, $2\frac{5}{6}$

19

Solve. Simplify your answer.
 $6\frac{7}{9} + 2\frac{11}{18}$

26

Solve. Simplify your answer.
 $\frac{5}{6} \div \frac{1}{4}$

6

What is the greatest integer that makes this inequality true?
 $32 > y + 9$

13

Write an expression.
3 less than the product of n and 7

20

Evaluate this expression.
 $80 - 6^2 \times 2 \div 8$

27

What is the value of this expression when $x = 4$?
 $(15 - 2x)^2$

7

Calculate the area of a square with side lengths of 7.4 cm.

14

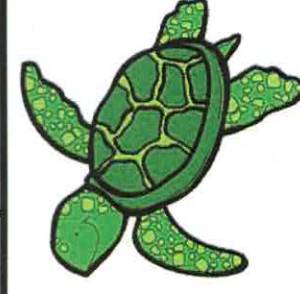
Find the area.

21

Find the volume of a cube with side lengths of $3\frac{1}{2}$ m.

28

Find the volume.



MATH REVIEW OF THE DAY JUNE 2025

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

JULY 2025



6

Is this a statistical question?
How many minutes do students spend doing homework?

7

Use the distributive property to express the sum of 24 and 36.

13

What is the mean of this data set?

68, 72, 83, 65, 77, 73

14

A point is 7 units to the left of the y-axis. What is the x-coordinate of that point?

20

What is the mode?

Goals Scored Per Game



27

What is the mean?

Day	Cookies Sold
Friday	128
Saturday	247
Sunday	201

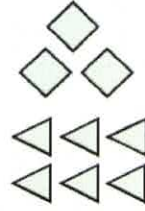
28

Compare using $<$, $>$, or $=$.

-13 ____ -8

29

Write the ratio of shapes to triangles.



1

Out of 60 problems, Jamal got 54 correct. What percent did he get correct?

2

Solve.
 33×7.958

3

How much fudge will each person get if 6 people share $\frac{3}{4}$ pound of fudge equally?

10

Solve. Simplify your answer.
 $7\frac{1}{2} - 3\frac{8}{15}$

17

Solve. Simplify your answer.
 $3\frac{7}{12} \times \frac{4}{6}$

24

Solve. Simplify your answer.
 $2\frac{3}{8} \div 4$

31

Joe bought $2\frac{1}{2}$ kg of ground beef. He made burgers that are $\frac{1}{10}$ kg each. How many burgers did he make?

4

Fill in the blank with $<$, $>$, or $=$ for $b = 6$.
 $3b + 6$ ____ $4b$

11

Simplify the expression.
 $4x + 7y - x + 16$

18

Write an equivalent expression.
 $21a - 49b$

25

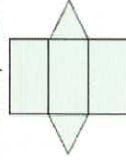
Write an equivalent expression.
 $6.8(w + 5)$

5

The points $(-3, 2)$, $(5, 2)$, and $(5, -1)$ are three vertices of a rectangle. What is the fourth vertex?

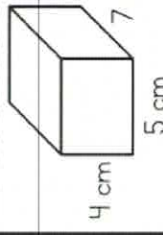
12

Name the solid figure formed by this net.



19

Find the surface area.



26

Calculate the surface area of a cube with side lengths of 9 mm.

MATH REVIEW OF THE DAY





MATH REVIEW OF THE DAY

AUGUST 2025

3	The times for five students to complete the experiment were 45, 28, 39, 52, and 44 minutes. What is the median?	4	What is the greatest common factor of 28 and 98?	5	A TV show is 90 minutes long. There are 36 minutes remaining. What percentage of the show is over?	6	Solve. 9.75×63.8	7	Solve. Simplify your answer. $4\frac{2}{3} \times 2\frac{6}{7}$	8	What is the value of x ? $6.5x = 26$	9	Find the volume of this box. length: $2\frac{1}{2}$ ft width: $1\frac{1}{4}$ ft height: 5 ft								
10	True or false? The median is greater than the mean. <table border="1"><caption>Minutes Waiting in Line</caption><tr><td>18</td><td>15</td><td>4</td><td>11</td></tr><tr><td>27</td><td>9</td><td>20</td><td>18</td></tr></table>	18	15	4	11	27	9	20	18	11	Order from least to greatest. 15, -6.7, -18, 2.3	12	In a bag, the ratio of peanuts to pretzels is 8:3. If there are 69 pretzels in the bag, how many peanuts are in the bag?	13	Solve. $0.448 \div 0.64 =$	14	Area: $1\frac{3}{4} \text{ ft}^2$ Length: $\frac{2}{3} \text{ ft}$ What is the width of the rectangle?	15	Write the equation. Then, solve for c . 75.3 is 8.75 less than a number c .	16	Find the surface area.
18	15	4	11																		
27	9	20	18																		
17	What is the mean? Years Until Retirement 	18	Name the two integers that $-4\frac{5}{8}$ is between. Circle the one it is closer to.	19	Lyla paid \$10.80 for a dozen roses. What is the unit rate?	20	Trevor makes \$16.40 per hour. How much money does he make if he works 8.5 hours?	21	Solve. Simplify your answer. $9 + 5\frac{1}{4}$	22	Evaluate this expression. $3^3 + (2 \times 16) \div 4$	23	Find the surface area of this square pyramid. 								
24	What is the median? 	25	Name the ordered pair for a point located 8 units to the right and 4 units below the point $(-2, -1)$.	26	<table border="1"><tr><th>Grapes</th><th>Berries</th></tr><tr><td>9</td><td>7</td></tr><tr><td>18</td><td>14</td></tr><tr><td>63</td><td>?</td></tr></table>	Grapes	Berries	9	7	18	14	63	?	27	Zoe earned \$50.40 after working 4.5 hours. How much did she earn per hour?	28	Solve. Simplify your answer. $3\frac{1}{2} \div 1\frac{5}{6}$	29	What is the value of this expression when $d = 6$. $2d^2 - 5d$	30	Find the area.
Grapes	Berries																				
9	7																				
18	14																				
63	?																				
31	What is the mean absolute deviation? 5, 7, 10, 16, 17																				

June Answer Sheet

Name _____

1	11	21
2	12	22
3	13	23
4	14	24
5	15	25
6	16	26
7	17	27
8	18	28
9	19	29
10	20	30

July Answer Sheet

Name _____

1

11

21

2

12

22

3

13

23

4

14

24

5

15

26

6

16

27

7

17

28

8

18

29

9

19

30

10

20

31

August Answer Sheet

Name _____

1

11

21

2

12

22

3

13

23

4

14

24

25

5

15

26

6

16

27

7

17

28

8

18

29

9

19

30

10

20

31
