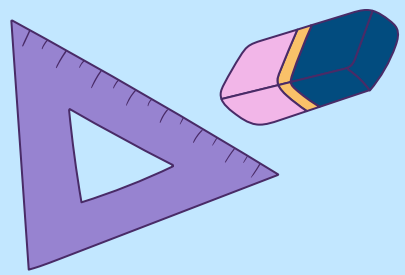


ELEMENTARY

WELCOME TO THE WORLD OF MATH

Immy Tree

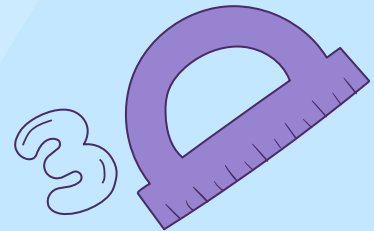


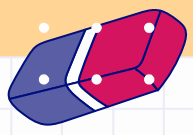


Self-Introduction

My name is...

My favorite math topic is...



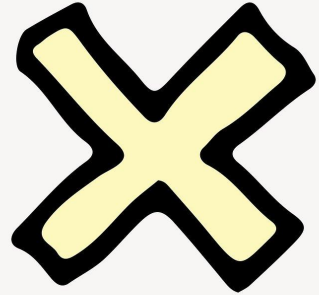
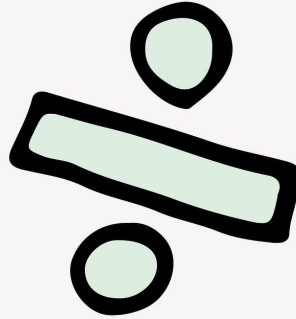
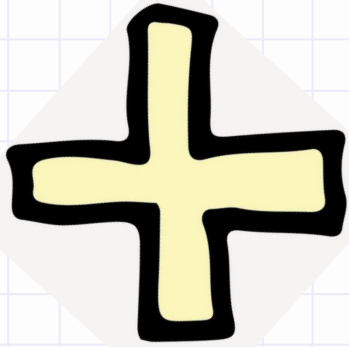


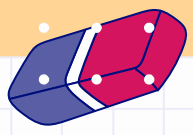
01

What Is Algebra



Algebra 1 is all about using numbers and symbols to solve problems. It's not just about math in school; it's about real life too!





02

What Is Geometry



Geometry is all about shapes, sizes, and spaces. It helps us understand the world around us by looking at different shapes and their properties



**In a fish tank lived Finn, a little fish
dreaming of the big sea . . .**

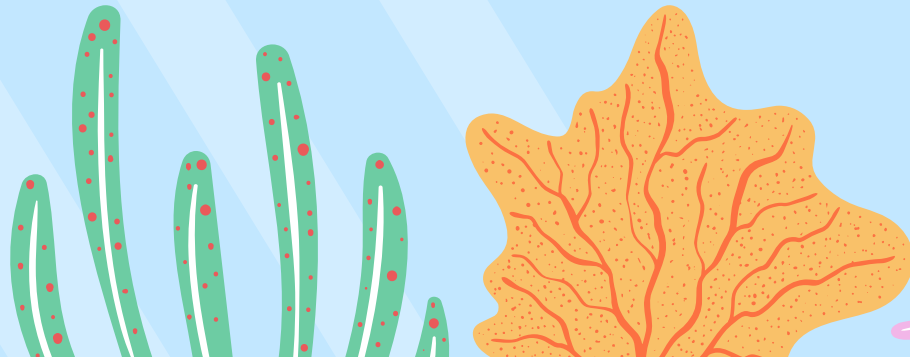
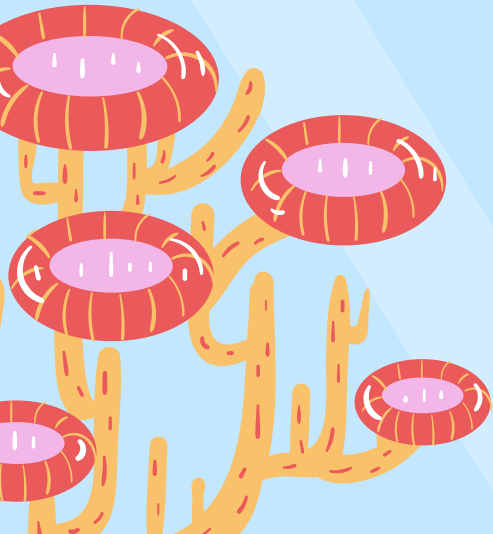


Finn wanted to leave his fish tank and explore the sea. On his journey, he met many challenges. Will you help him solve them so he can reach the big, wide sea?



LET'S GO!

LET'S HELP Finn!

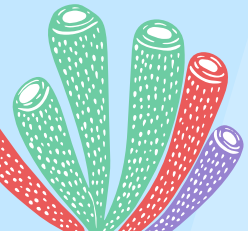


The background features a light blue gradient with vertical stripes. In the center, there is a purple rounded rectangle containing the text 'LEVEL 1'. Below this is a dark blue banner containing the text 'FISH TANK'. The background is decorated with stylized coral in orange and red, and seaweed in blue and orange.

LEVEL 1

FISH TANK

Finn packed 10 candies for his journey to the sea. Along the way, a friendly bird gave him 5 more candies. How many candies does Finn have in total now?

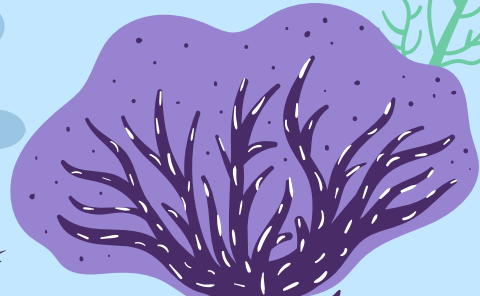
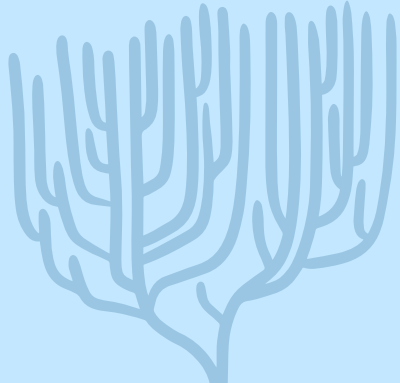


The background features a light blue gradient with vertical stripes. At the top, there are stylized illustrations of coral in red and green, and sea anemones with pink bodies and green tentacles.

15 candies

$$10+5 = 15$$

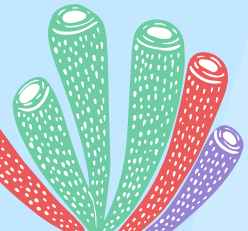
candies





GOOD JOB!

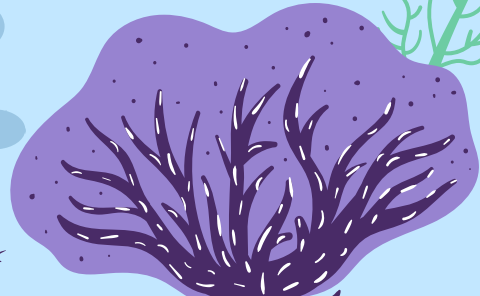
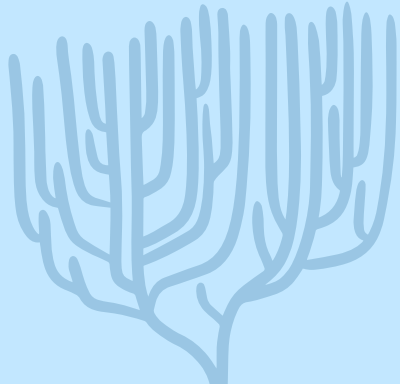
Finn wants to reach the swimming pool first. The pool is 50 feet away from his tank. Finn already swam 10 feet. How many more feet does Finn need to swim to get to the pool?



The image features a light blue background with vertical stripes. At the top, there is a decorative border of coral reef elements, including green starfish, pinkish-purple sponges, and red branching coral. A dark blue, rounded rectangular banner is centered in the middle of the image. Inside this banner, the text "40 ft" is written in a bold, orange, sans-serif font.

40 ft

$$50 - 10 = 40 \text{ ft}$$



The background is a light blue gradient with vertical stripes. At the top, there are stylized illustrations of coral and sea anemones in shades of red, green, and pink. A large, dark blue, rounded rectangular shape is centered on the page, containing the word "Excellent!" in a bold, orange, sans-serif font.

Excellent !

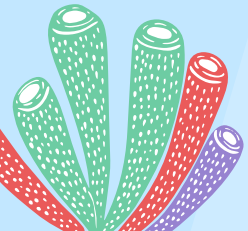
Finn has already arrived the swimming pool. Now, he is on his way to the river. But the problems are getting more challenging...

The background features a light blue sky with vertical rays of varying shades. In the center, there is a purple rounded rectangle containing the text 'LEVEL 2'. Below this is a dark blue banner with the text 'SWIMMING POOL'. The entire graphic is surrounded by stylized coral and seaweed in orange, yellow, and blue.

LEVEL 2

SWIMMING POOL

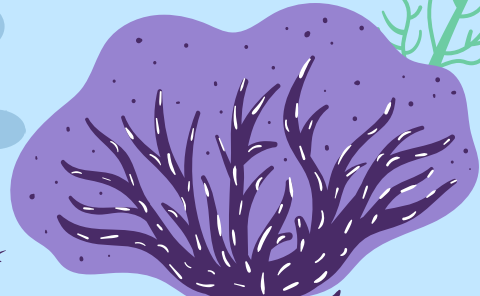
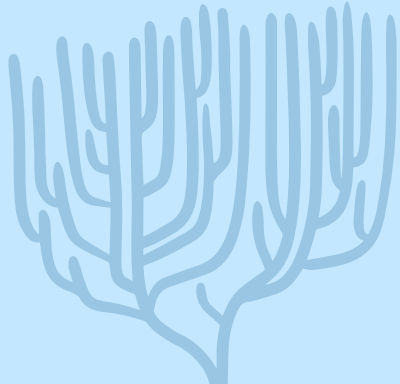
Finn has 15 candies. If he eats 3 candies each day, how many days can he eat candies before he runs out?





An underwater scene with a light blue background. At the top, there are several pieces of coral: green branching coral, red branching coral, and pinkish-purple branching coral. A large, dark blue, rounded rectangular banner is centered in the middle of the image. The text "5 days" is written in a bold, orange, sans-serif font on the banner.

5 days

$$15 \div 3 = 5 \text{ days}$$





If Finn eats 3 candies every day, let's see how many days it takes for him to eat all 15 candies.

Day 1: Finn eats 3 candies ($15 - 3 = 12$ candies left)

Day 2: Finn eats another 3 candies ($12 - 3 = 9$ candies left)

Day 3: Finn eats 3 more candies ($9 - 3 = 6$ candies left)

Day 4: Finn eats 3 more candies ($6 - 3 = 3$ candies left)

Day 5: Finn eats the last 3 candies ($3 - 3 = 0$ candies left)

2



3





Is there a easier way to do this?

Yes !





Total number of candies Finn has = 15

Candies eaten each day = 3

Number of days = Total number of candies \div Candies eaten each day

Number of days = 15 candies \div 3 candies/day

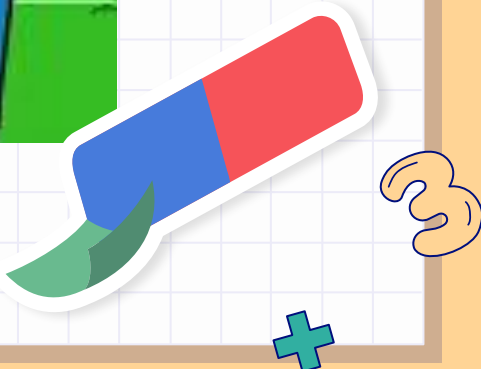
Number of days = 5 days

2



3

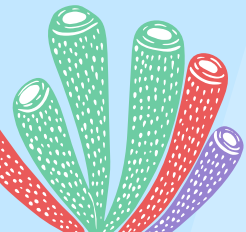




The image features a central dark blue banner with rounded corners and a slight shadow, containing the text "Well Done!" in a bold, orange, sans-serif font. The banner is set against a light blue background with vertical stripes. On either side of the banner, there are stylized illustrations of coral and seaweed in shades of red, green, and pink. The coral is depicted with branching, tree-like structures, while the seaweed has long, thin, feathery fronds. The overall aesthetic is clean, modern, and celebratory.

Well Done !

"Finn wants to reach the river, which is 300 feet away from him. He swims 20 feet every hour. How many hours will it take for Finn to reach the river?"

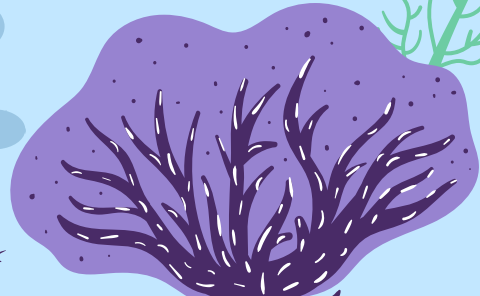
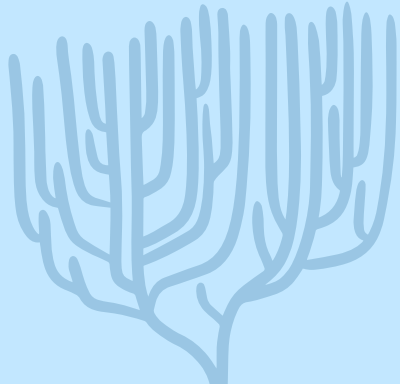


The top of the page is decorated with stylized coral and sea anemones. On the left and right sides, there are red branching coral structures. In the center, there are several pink sea anemones with green tentacles. The background is a light blue color with faint, darker blue vertical stripes.

15 hours

$$300 \div 20 = 15$$

hours





Distance to the river = 300 feet

Swimming speed of Finn = 20 feet per hour

To calculate the time Finn needs:

Time = Distance ÷ Speed

Time = 300 feet ÷ 20 feet per hour

Time = 15 hours

It will take Finn 15 hours to reach the river by swimming 20 feet every hour.




$$\text{SPEED} = \frac{\text{DISTANCE}}{\text{TIME}}$$

$$\text{TIME} = \frac{\text{DISTANCE}}{\text{SPEED}}$$

$$\text{DISTANCE} = \text{SPEED} \times \text{TIME}$$




$$\text{Time} = \text{Distance} \div \text{Speed}$$




Great !

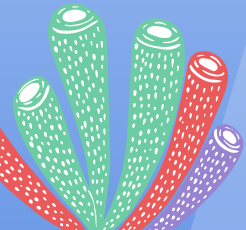
**Finn has made it to the river!
Now, he's on his way to the
lake. Join Finn on his journey
and help him overcome the
challenges he'll encounter
along the way!**

The background features a light blue sky with vertical stripes. In the center, there is a purple rounded rectangle containing the text 'LEVEL 3'. Below it is a dark blue banner containing the text 'RIVER'. The scene is decorated with stylized coral in orange and red, and seaweed in blue and orange.

LEVEL 3

RIVER

Finn and a turtle both want to reach the sea from the river, which is 3000 feet away. Finn swims 20 feet per hour, and the turtle swims 15 feet per hour. Who do you think will reach the sea first, Finn or the turtle? By how many hours will the first one arrive before the other?





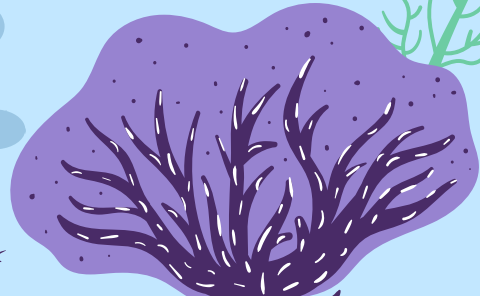
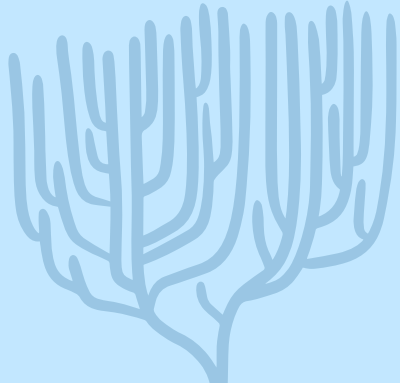
**Finn would get there
first!
50 hours ahead**

Time taken by Finn = Distance ÷ Finn's speed

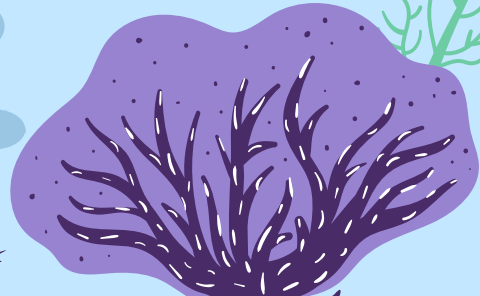
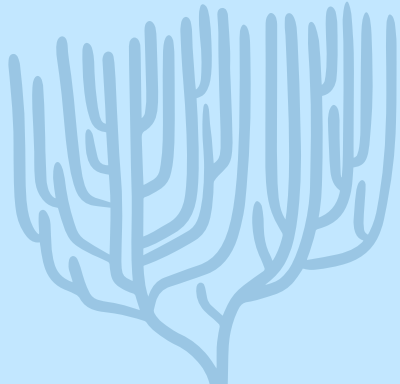
Time taken by Finn = 3000 ft ÷ 20 ft/hour = 150 hours

Time taken by Turtle = Distance ÷ Turtle's speed

Time taken by Turtle = 3000 ft ÷ 15 ft/hour = 200 hours

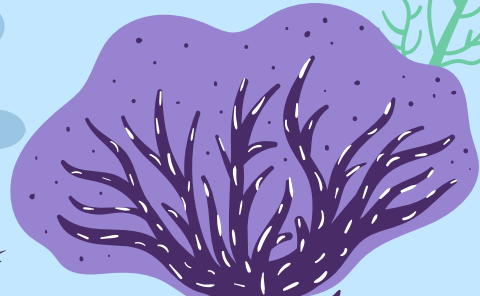
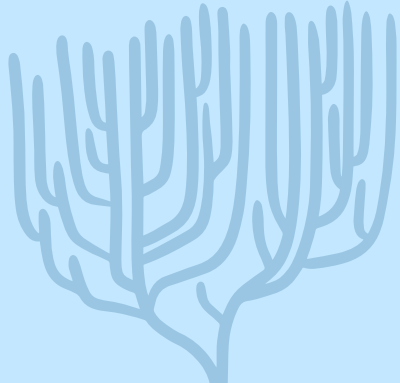


**Finn takes 150 hours to reach
the lake, while the turtle takes
200 hours.**



To determine who gets there first and by how many hours:

**The turtle arrives 50 hours later than Finn
(200 hours - 150 hours = 50 hours).**



The background features a light blue gradient with vertical stripes. At the top, there are stylized illustrations of coral and sea anemones in shades of red, green, and pink. A large, dark blue, rounded rectangular shape is centered on the page, containing the word "Excellent!" in a bold, orange, sans-serif font.

Excellent !

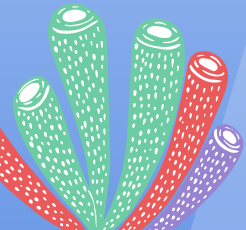
**Finn and his friend, Turtle,
have made it to the river! Now,
they're setting off on an
exciting journey to reach the
lake. Let's join Finn and Turtle
as they embark on their
adventure towards the lake!**

The background features a light blue sky with vertical rays of varying shades. In the center, there is a purple rounded rectangle containing the text 'LEVEL 4'. Below this is a dark blue banner containing the text 'LAKE'. The scene is decorated with stylized coral in orange and red, and seaweed in blue and orange.

LEVEL 4

LAKE

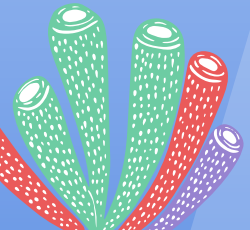
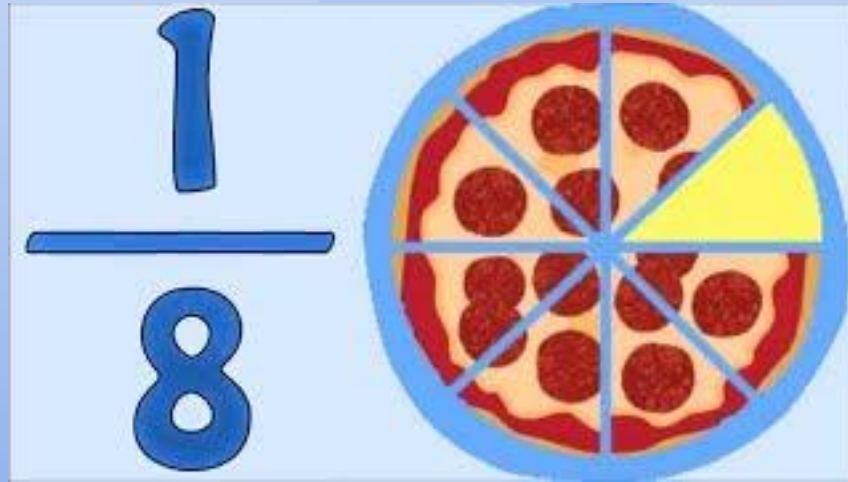
Finn is on his way to the lake, which is a total of 4000 feet away. Right now, he has already swum half of the distance. How many feet has Finn swum so far? How many feet does he have to swim to get to the lake?



The top of the page is decorated with stylized illustrations of coral and seaweed. On the left and right sides, there are red branching coral structures. In the center, there are green seaweed-like plants with long, thin, radiating leaves. The background is a light blue color with vertical stripes of varying shades.

**Finn has swum 2000 ft
He needs to swim 2000 ft
more!**

$$2000 \times \frac{1}{2} = 1000 \text{ ft}$$



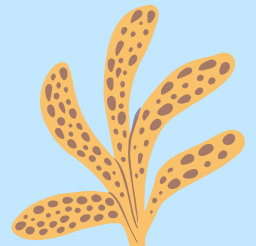
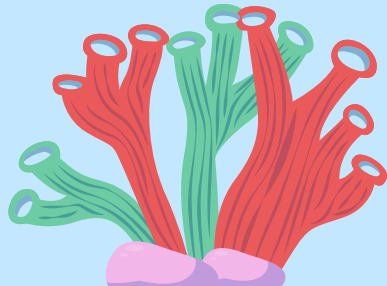
The background features a light blue sky with vertical stripes. In the center, there is a purple rounded rectangle containing the text 'LEVEL 5'. Below it is a dark blue banner containing the text 'BEACH'. The scene is decorated with stylized coral in orange and red, and seaweed in blue and orange.

LEVEL 5

BEACH

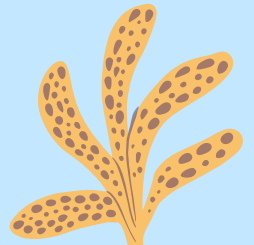
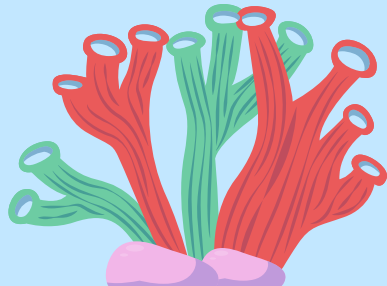
Simplify the equation

$$3x + 2 - (x - 4)$$




The background features a light blue gradient with vertical stripes. At the top, there are stylized illustrations of coral in red and green, and sea anemones with pink bases and green tops. A dark blue, rounded rectangular banner is centered in the middle of the image.
$$2X+6$$

In this equation, you have terms that are alike because they have the same variable, which is x . To combine like terms, you add or subtract the coefficients (the numbers in front of the variable) together



**Finn and Turtle
has jumped into
the sea!**



The background is a light blue gradient representing an underwater scene. It features various types of coral and seaweed. On the left and right sides, there are green, feathery seaweeds. In the center and foreground, there are purple, brain-like coral structures, orange and white spiral coral, and red star-shaped coral. The overall style is colorful and illustrative.

**Thank you so much for
helping Finn and his friend!**

You have completed all the challenges !!!