

HAZEL
MEETS THE

MATH

**STRATEGY
ANIMALS**

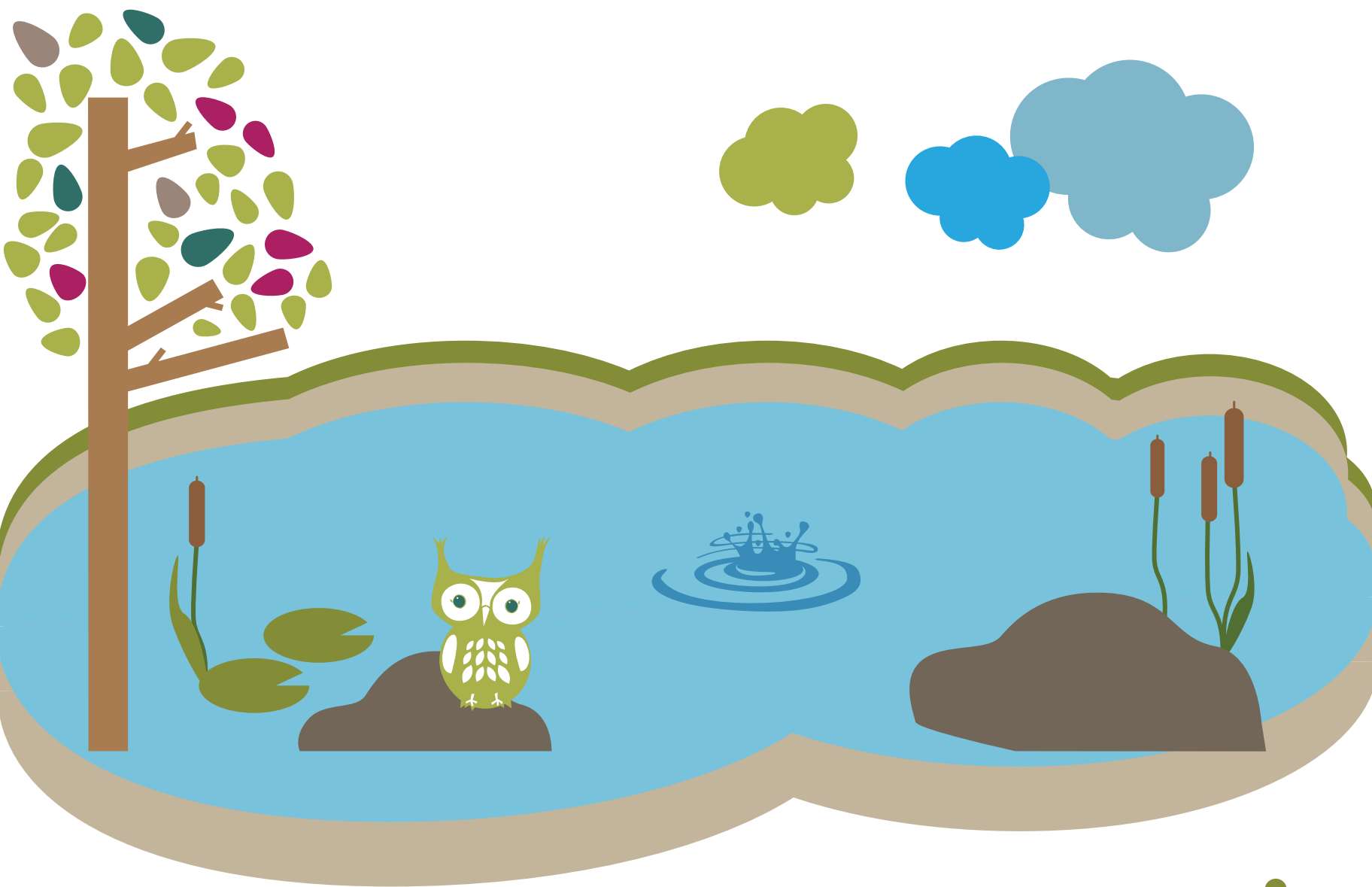


MATH IS A HOOT!



Have you ever had an extraordinary day—
Witnessed a magical event that changed you in some way?
Did this experience alter your life forever
Or start you on a new endeavor?

This is the tale of Hazel Hoot, a tiny green screech owl,
Who happened on a special pond, while she was on the prowl.
Every day, she followed a similar routine:
She flew out to the pond for her lunchtime cuisine.
Yet, something was different this morning.
The waves on the pond gave her a forewarning.





Hazel swooped down for a fish,
She thought to herself, “This sure looks delish!”
As Hazel grabbed onto her scrumptious snack,
She heard a voice say, “Put me back!”
Puzzled, Hazel thought, “What in the world could that be?
There’s no way I’m letting this delicious fish free.”

“Little owl, you **can’t** eat me today.
Without me, this pond will be left in disarray.
I am Upton the Understanding Fish of Problem-Solving Pond.
I take care of all mathematical creatures—here, there, and beyond.”

Hazel dropped the fish in disbelief!
“Aww, thank goodness. That’s a relief!
Little owl, I know you don’t understand,
So I will let you witness my magic firsthand!”



“I will introduce you to new animal teachers,
Who will teach you about specific mathematical features.
Within weeks, your strategies will grow and expand,
And your math skills will become ever so grand!”



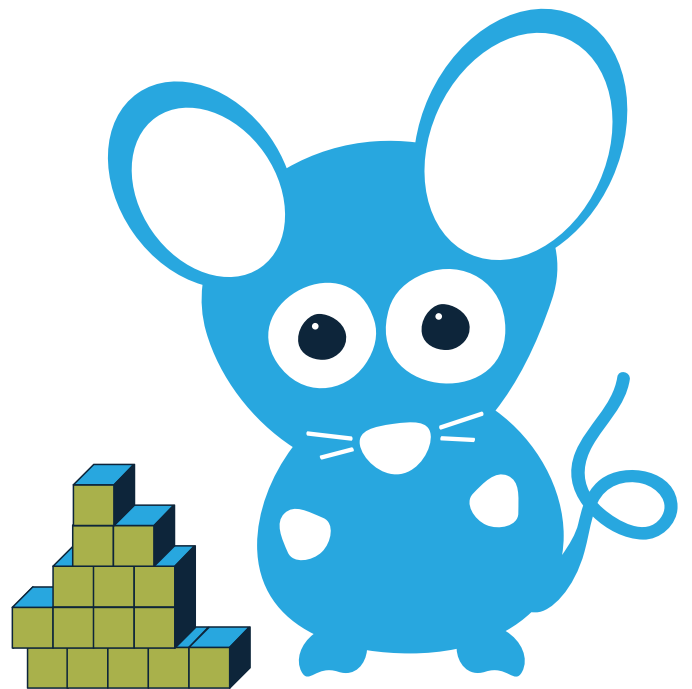
“Greetings, I’m

Max the Modeling Mouse.

I solve problems by using things
from my house.

Beans, cubes, and counters
are useful math gear;

Use them to model
so that the problem is clear.”



**Max
the Modeling
MOUSE**



**Daphne
the Drawing
DRAGONFLY**

“Hi, I’m **Daphne the**

Drawing Dragonfly.

Draw a mathematical picture
to give my strategy a try.

Read the problem,

and draw what is going on;

Then write a number sentence
for what you have drawn.”

“Hello, I’m **Todd the Tallying Toad**.

I get you started on

the problem-solving road.

A tally mark is a straight line to show one;

Grouping tallies into fives

is how it is done.

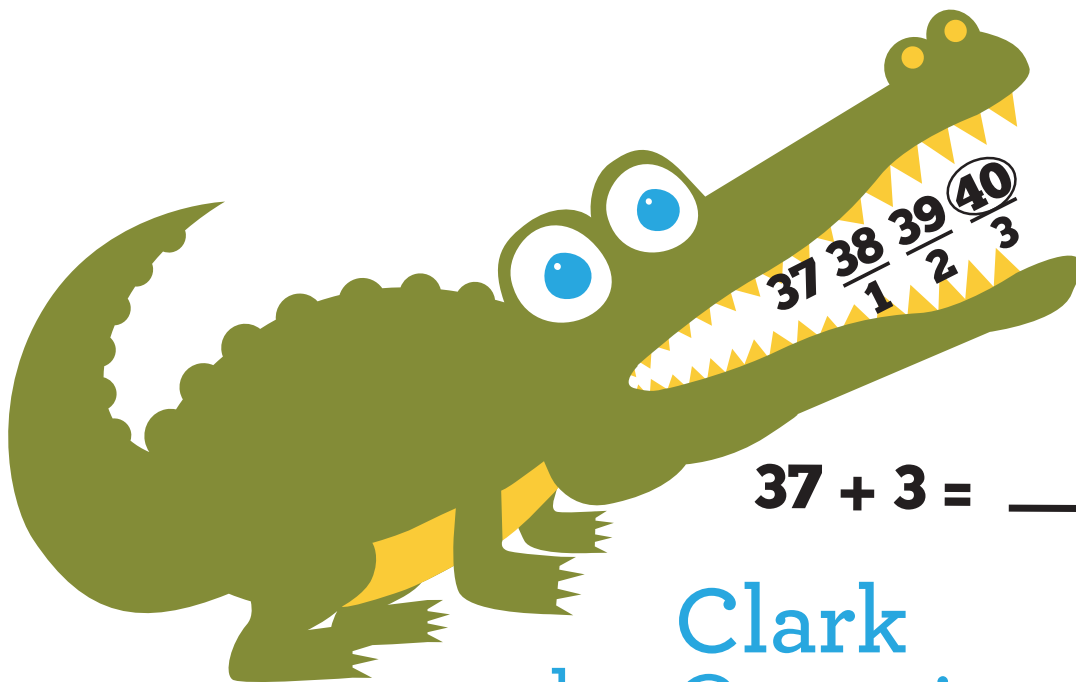
First make four tallies, nice and straight;

Then make a diagonal fifth tally;

you’re doing great!”



Todd
the Tallying
TOAD



$$37 + 3 = \underline{\quad}$$

Clark
the Counting
CROCODILE

“I’m **Clark the Counting Crocodile**. Use me to help you count.

Start with the largest number,

and draw lines for the remaining amount.

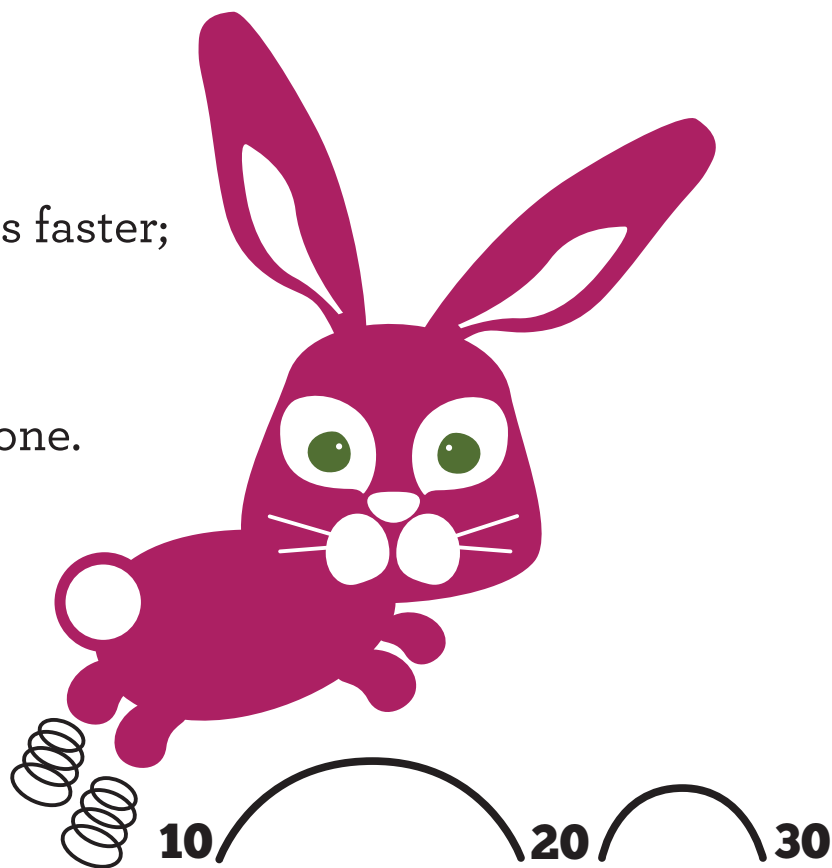
Count on for addition, count back for subtraction;

Then circle the answer as your final action.”

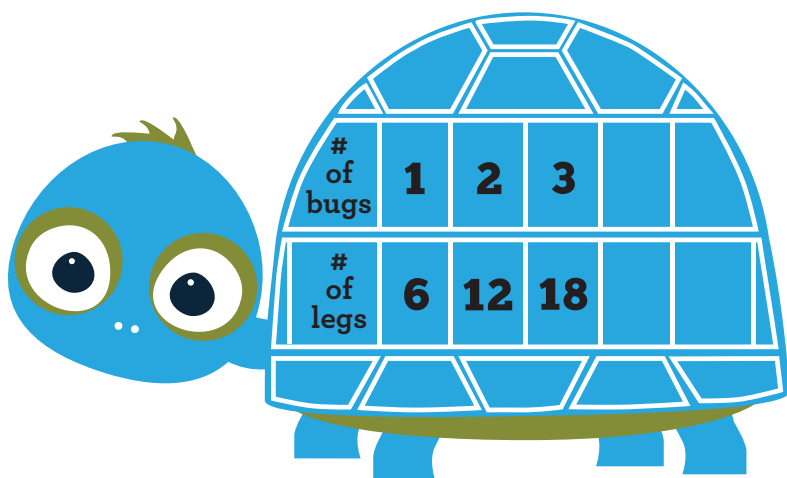


“I’m **Hailey the Hopping Hare**.

I’m the skip-counting master.
This is a skill that helps to count things faster;
Learn to count up or down
by a number other than one.
Quick like a bunny, you soon will be done.
Keep in mind that skip counting
is repeated addition.
Moving swiftly through problems
is my main mission.”



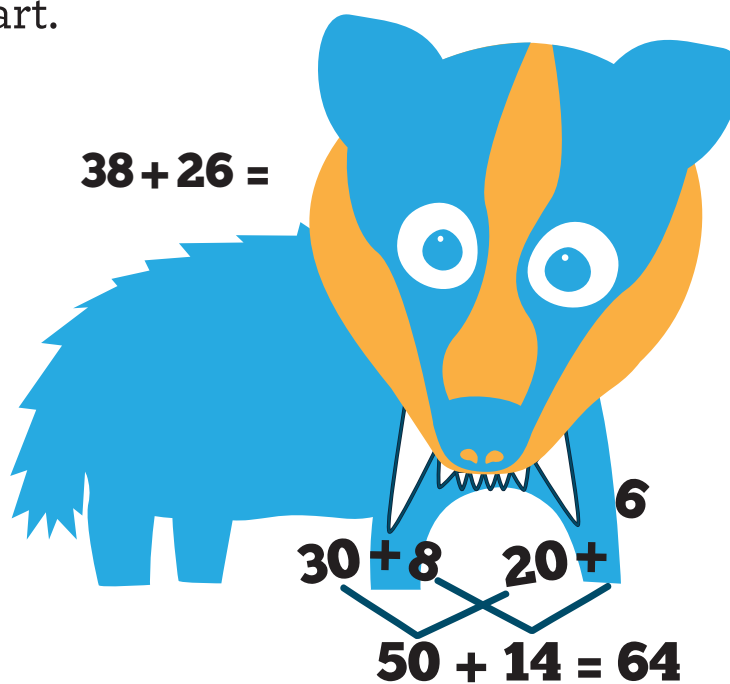
Hailey
the Hopping
HARE



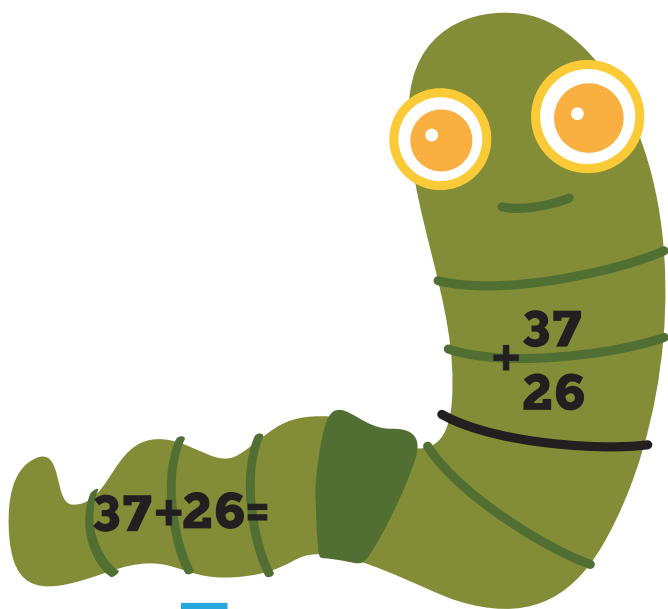
Tom
the Tabling
TURTLE

“Howdy, I’m **Tom the Tabling Turtle**, and I make tables—
These are columns and rows with numbers and labels.
Always organize your information is what I say,
So you can discover patterns and relationships in a logical way.”

“I’m **Brian the Breaking Badger**,
and I love to break numbers apart.
Separating place value
is considered my art!
I break numbers into ones
and tens with my teeth.
Then I work with the place
value underneath.
I’ll add or subtract the tens
—then the ones.
Before you know it,
the problem’s all done!”



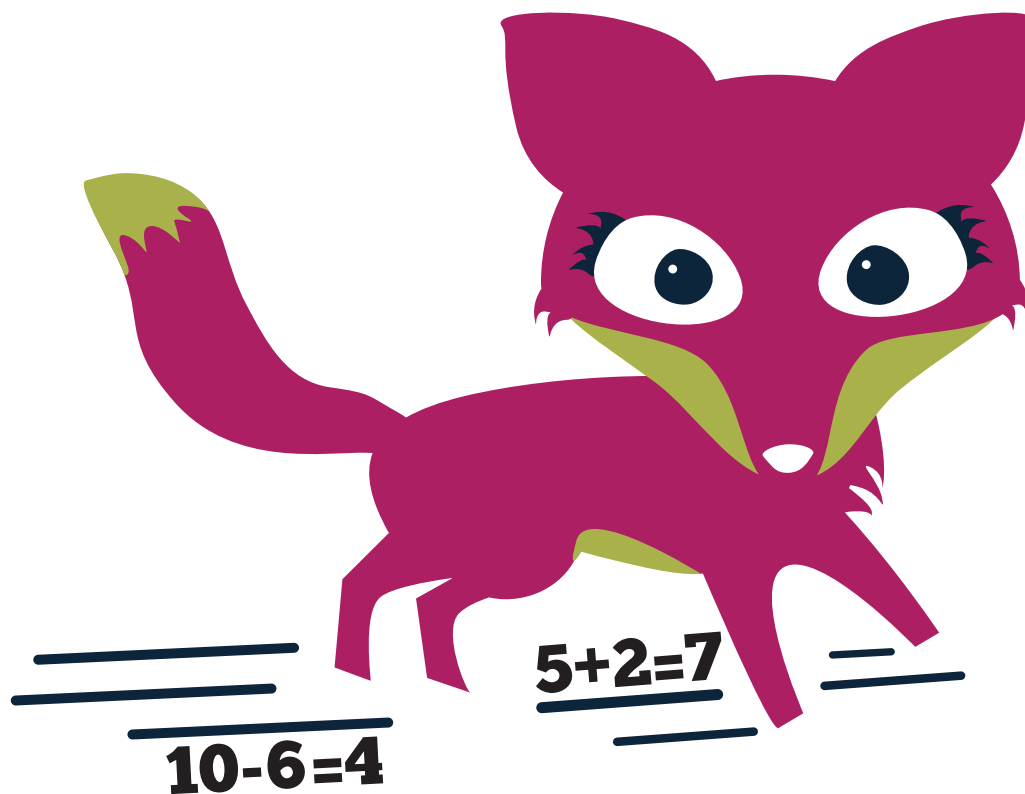
Brian the Breaking BADGER



Emmy the Equating EARTHWORM

“**Emmy the Equating Earthworm** here.
I can help you to write equations
without any fear.
Horizontally or vertically,
it doesn’t matter the direction.
I will help you to solve each
to numerical perfection.
Write the equation whichever way
works the best for you.
Double-check your answer
when you are through.”

“Do you want to be as clever as I, **Fiona the Fact-Fluency Fox**?
I’m here to show you that fluency rocks!
No fingers or pauses—you’ll answer questions with ease.
When you know your facts, all math is a breeze.”



Fiona
the Fact-Fluency
FOX

“Little owl, this was indeed an extraordinary day!
My problem-solving friends have shown you the way.
You can use new strategies to help you to understand.
May your math skills forever grow and expand!”

