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Maths

Number and Place Value

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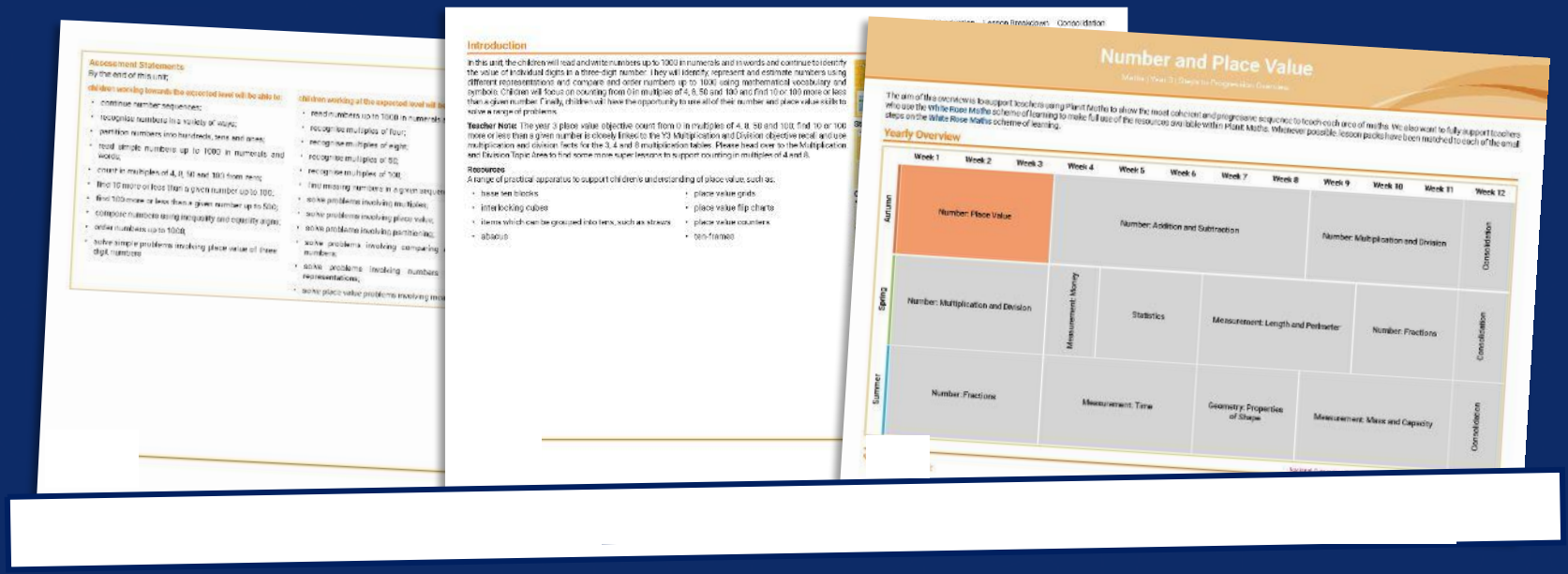
Need a coherently planned sequence of lessons to complement this resource?



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Counting in Fours

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Aim

- To count in multiples of four.

Success Criteria

- I can count forwards in steps of four.
- I can count backwards in steps of four.
- I can recognise multiples of four.

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Remember

How far can you count forwards in twos?
Can you count to 40? 80? 100?

Can you count backwards in twos from 40? 80? 100?

If you count forwards in twos from 10, what will be the tenth number you say?

If you count forwards in twos from 30, what will be the eighth number you say?

If you count forwards in twos from 40, what will be the sixth number you say?

If you count forwards in twos from 50, what will be the twelfth number you say?

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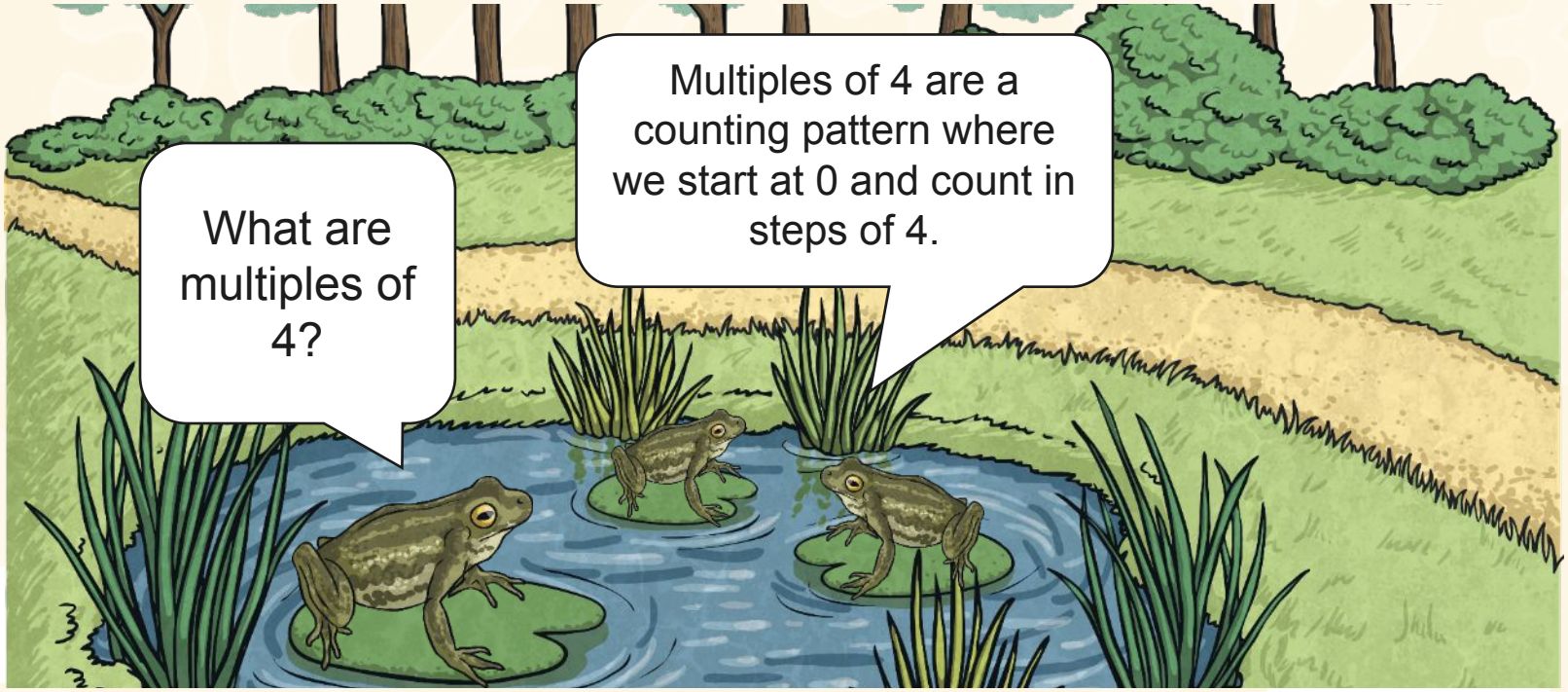
Forward Frog

Tiddalick loves to count while he is jumping on the lily pads.

Today, he is going to count in multiples of 4.



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Forward Frog

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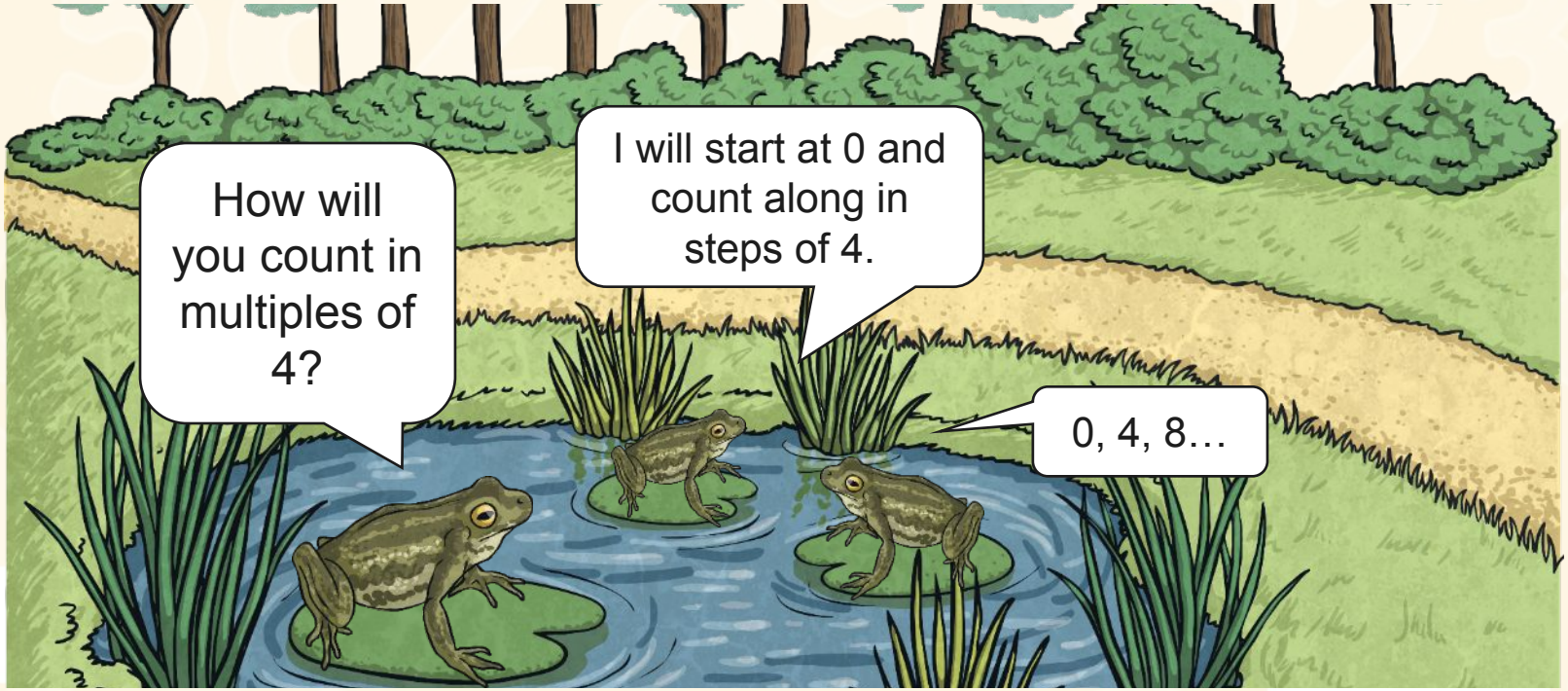

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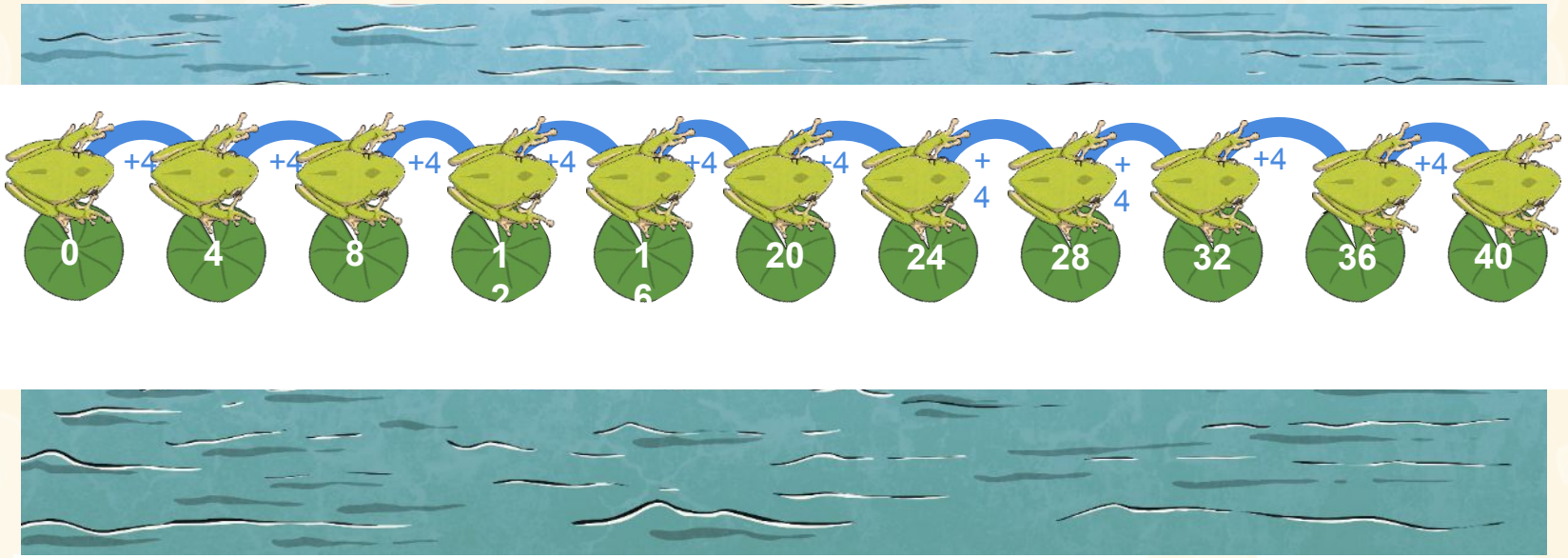
Forward Frog

Whole Class

Tiddalick wants to count in multiples of 4 from zero.

Let's help him!



To count in multiples of 4, Tiddalick adds four on each jump.

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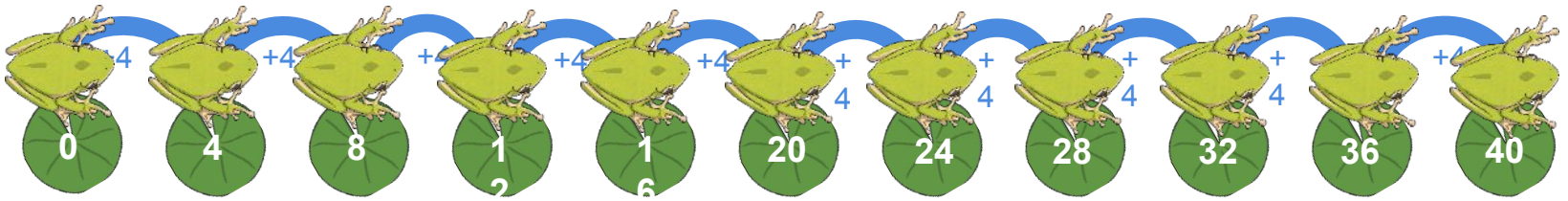
Forward Frog

Whole Class

Let's have a go again but this time, Tiddalick wants you to predict the next number before he jumps.



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Forward Frog

Whole Class

Tiddalick wants you to practise counting up in 4s in your quietest voice.

0 4 8 12 16 20 24 28 32 36 40

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Forward Frog

Tiddalick wants you to practise counting up in 4s in your squeakiest voice.

0 4 8 12 16 20 24 28 32 36 40

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Forward Frog

Whole Class

Tiddalick wants you to practise counting up in 4s in your deepest voice.

0 4 8 12 16 20 24 28 32 36 40

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Forward Frog

Whole Class

Tiddalick wants you to practise counting up in 4s while jumping like a frog.

0 4 8 12 16 20 24 28 32 36 40

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Forward Frog

Whole Class

Oh no! Tiddalick has lost some of the numbers.

How could he find out the missing numbers?

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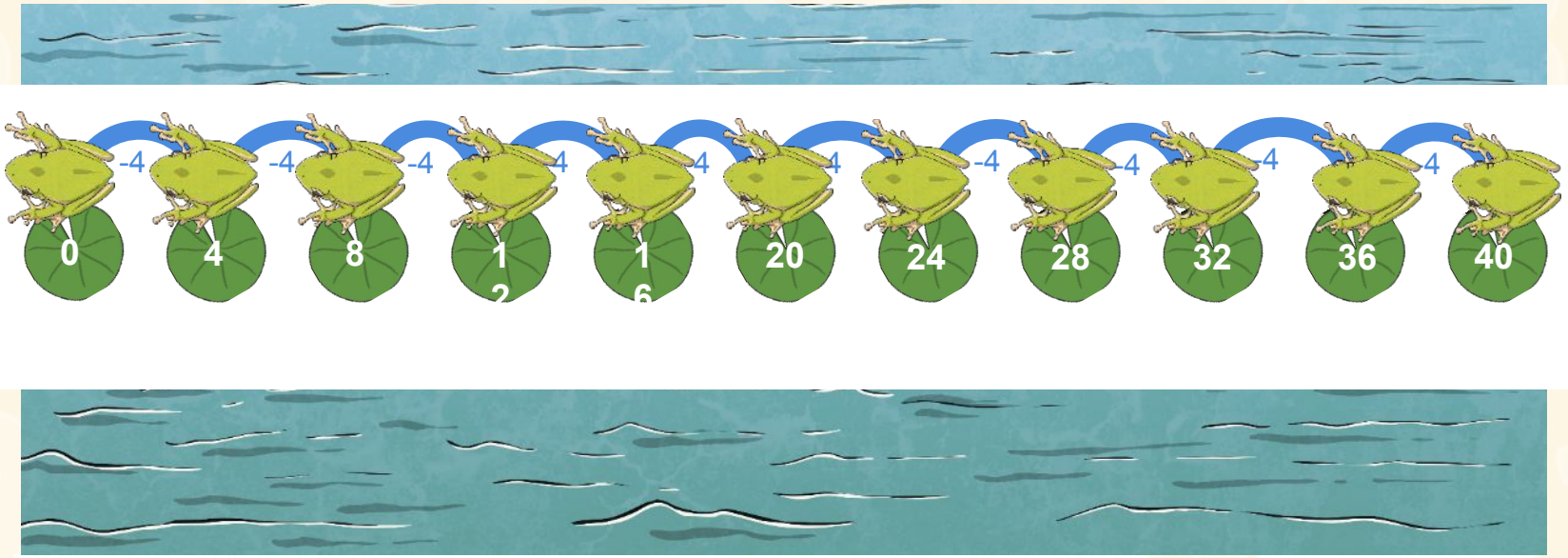
Backward Frog

Whole Class

Now, Tiddalick will count back in steps of four!

Let's help him. He is going to start at 40.



To count in multiples of 4, Tiddalick subtracts 4 on each jump.

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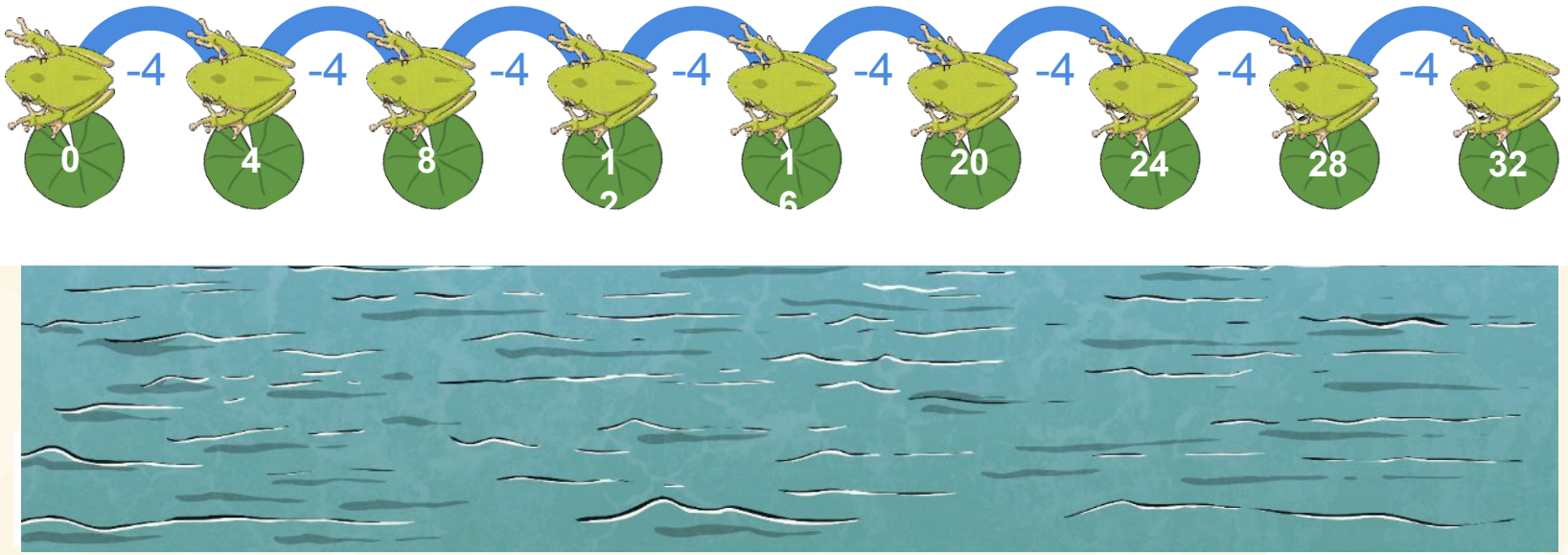
Backward Frog

Whole Class

Tiddalick is still counting backwards.

This time, he starts at 32. Help him to count backwards.



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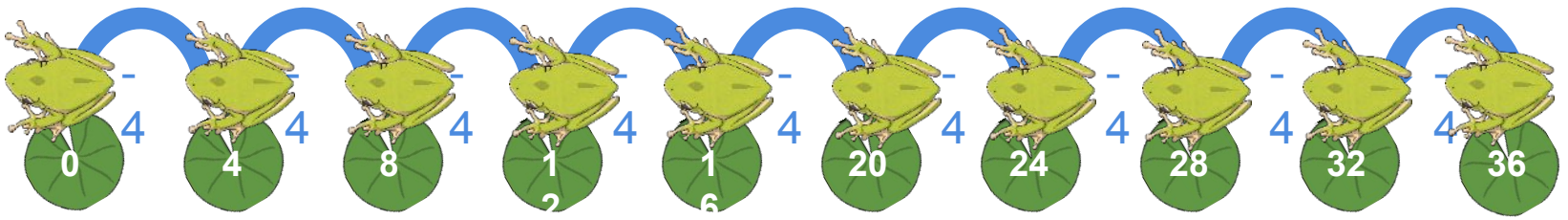
Backward Frog

Whole Class

This time he is starting at 36.

Help him to count backwards.



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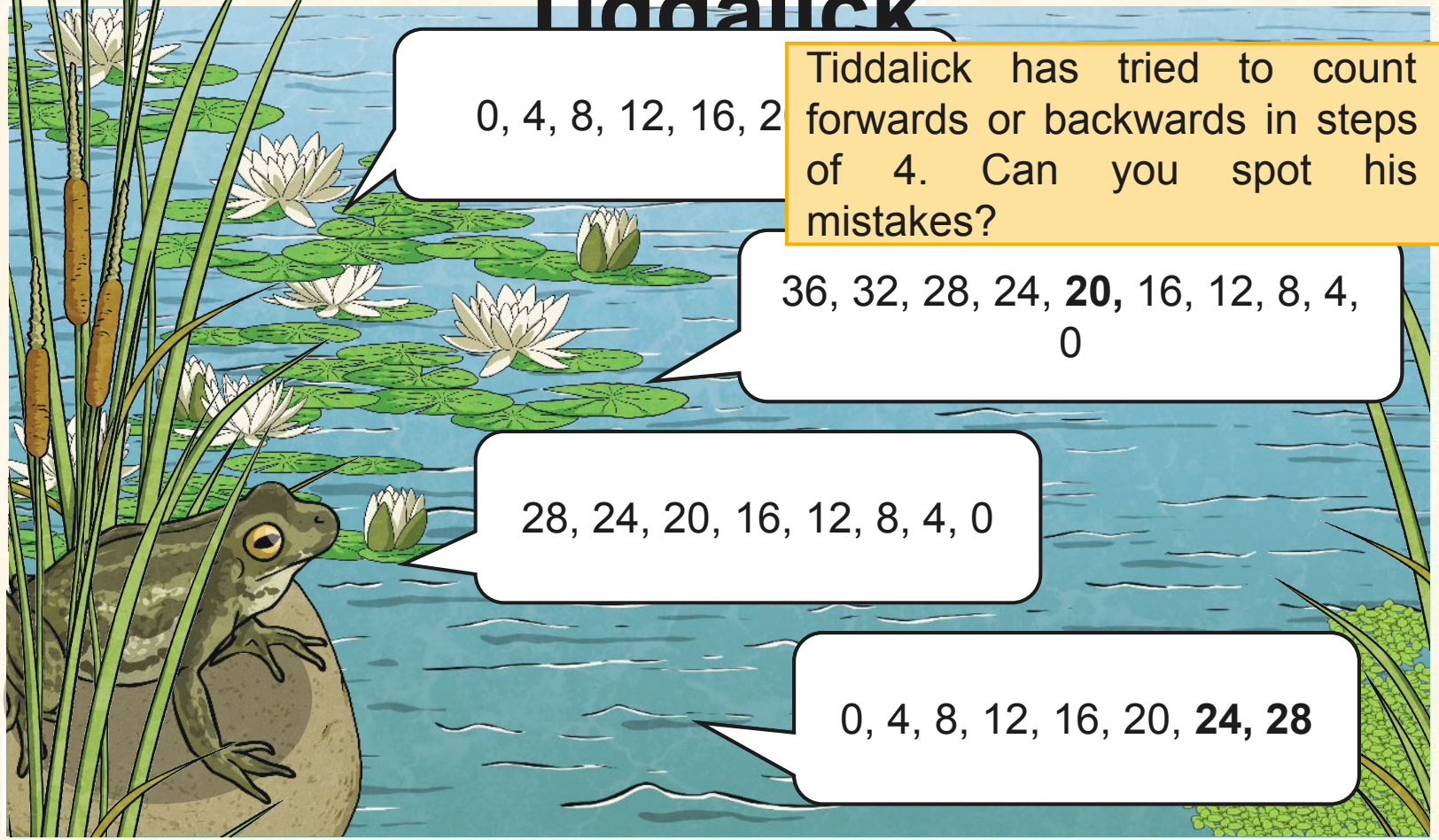
Help Tiddalick

Whole Class



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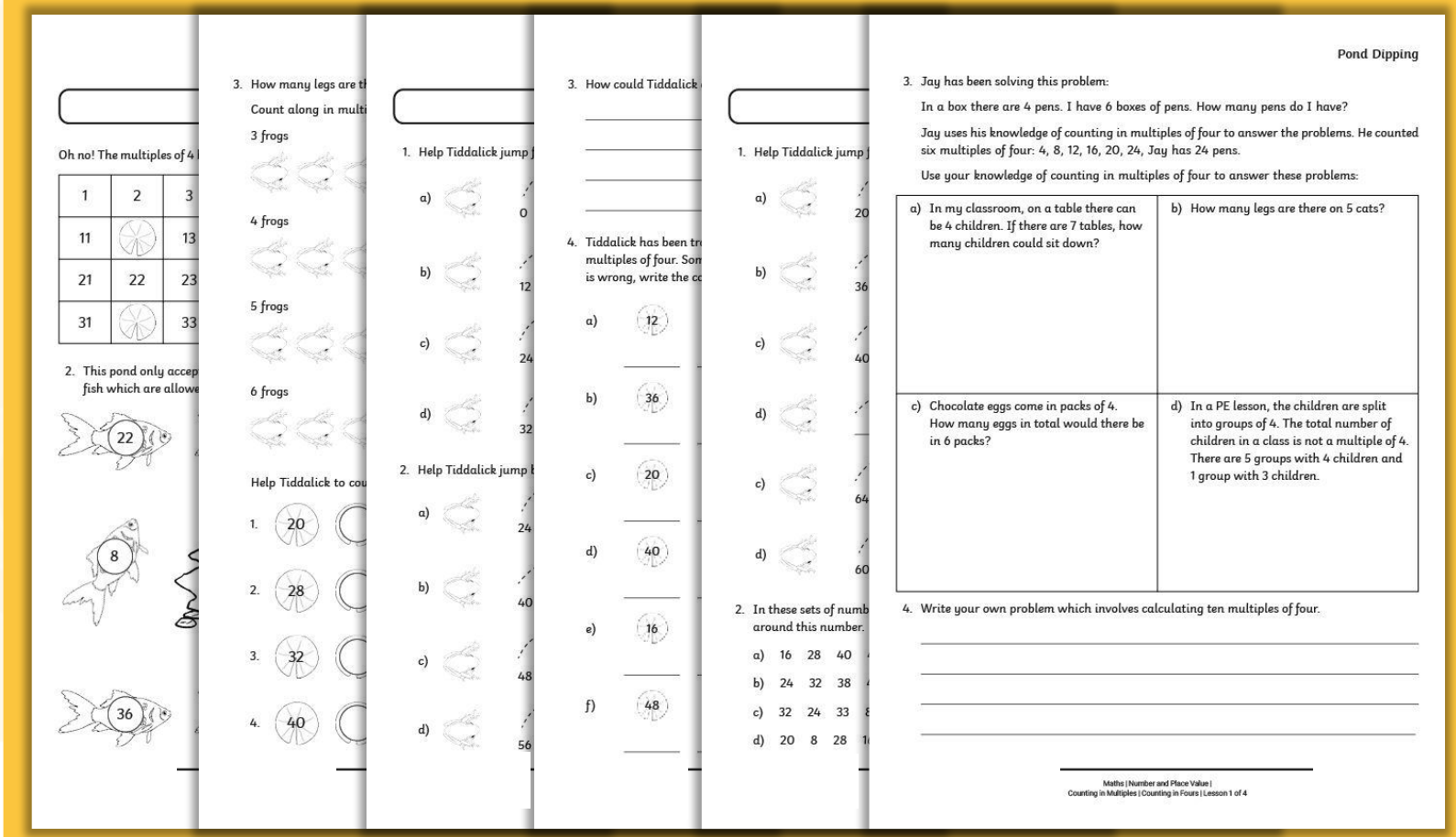
Pond



Oh no! The multiples of 4

1	2	3
11		13
21	22	23
31		33

2. This pond only accep
fish which are allowe

22

8

36

3. How many legs are t
Count along in multi

3 frogs

4 frogs

5 frogs

6 frogs

Help Tiddalick to cou

1. 20
2. 28
3. 32
4. 40

1. Help Tiddalick jump

a) 0
b) 12
c) 24
d) 32

2. Help Tiddalick jump

a) 24
b) 40
c) 48
d) 56

3. How could Tiddalick

4. Tiddalick has been tr
multiples of four. Son
is wrong, write the co

a) 12
b) 36
c) 20
d) 40
e) 16
f) 48

1. Help Tiddalick jump

a) 20
b) 36
c) 40
d) 64
c) 64
d) 60

2. In these sets of numb
around this number.

a) 16 28 40
b) 24 32 38
c) 32 24 33
d) 20 8 28

Pond Dipping

3. Jay has been solving this problem:

In a box there are 4 pens. I have 6 boxes of pens. How many pens do I have?

Jay uses his knowledge of counting in multiples of four to answer the problems. He counted six multiples of four: 4, 8, 12, 16, 20, 24, Jay has 24 pens.

Use your knowledge of counting in multiples of four to answer these problems:

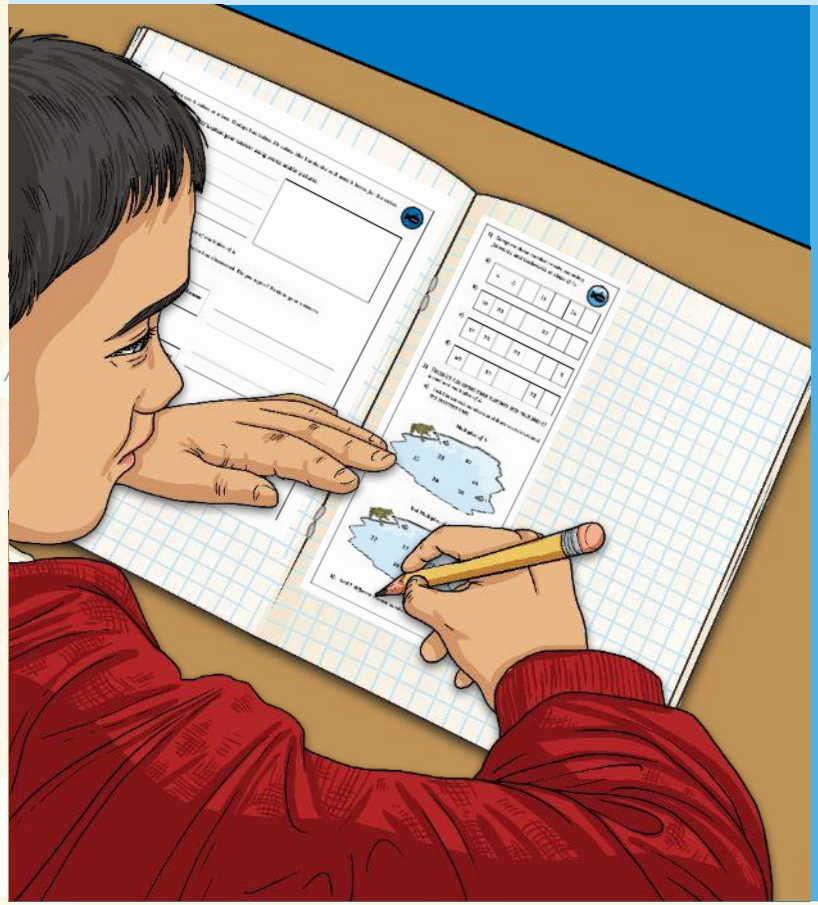
a) In my classroom, on a table there can be 4 children. If there are 7 tables, how many children could sit down?	b) How many legs are there on 5 cats?
c) Chocolate eggs come in packs of 4. How many eggs in total would there be in 6 packs?	d) In a PE lesson, the children are split into groups of 4. The total number of children in a class is not a multiple of 4. There are 5 groups with 4 children and 1 group with 3 children.

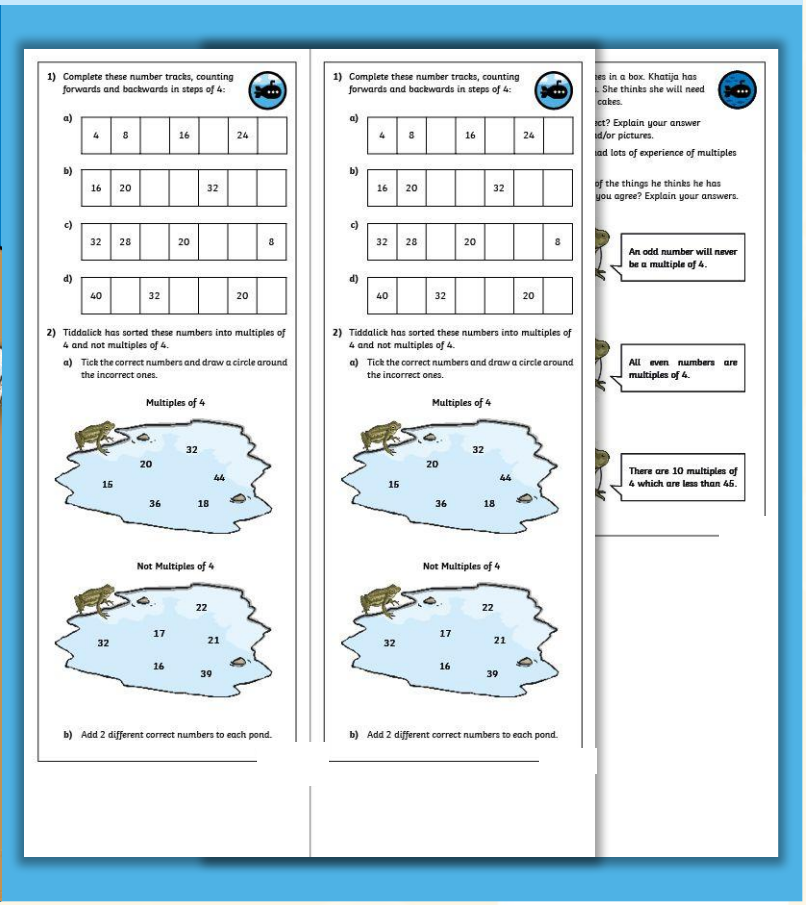
4. Write your own problem which involves calculating ten multiples of four.

Maths | Number and Place Value |
Counting in Multiples | Counting in Fours | Lesson 1 of 4

Diving into Mastery

Dive in by completing your own activity!





1) Complete these number tracks, counting forwards and backwards in steps of 4:

a) 4 8 ___ 16 ___ 24 ___

b) 16 20 ___ ___ 32 ___ ___

c) 32 28 ___ 20 ___ ___ 8

d) 40 ___ 32 ___ ___ 20 ___

2) Tiddalick has sorted these numbers into multiples of 4 and not multiples of 4.

a) Tick the correct numbers and draw a circle around the incorrect ones.

Multiples of 4: 32, 20, 44, 15, 36, 18

Not Multiples of 4: 22, 32, 17, 21, 16, 39

b) Add 2 different correct numbers to each pond.

1) Complete these number tracks, counting forwards and backwards in steps of 4:

a) 4 8 ___ 16 ___ 24 ___

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Not Multiples of 4: 22, 32, 17, 21, 16, 39

b) Add 2 different correct numbers to each pond.

...es in a box. Khatija has ... She thinks she will need ... cakes.

...ct? Explain your answer ...d/or pictures.

...ad lots of experience of multiples

...of the things he thinks he has ... you agree? Explain your answers.

An odd number will never be a multiple of 4.

All even numbers are multiples of 4.

There are 10 multiples of 4 which are less than 45.

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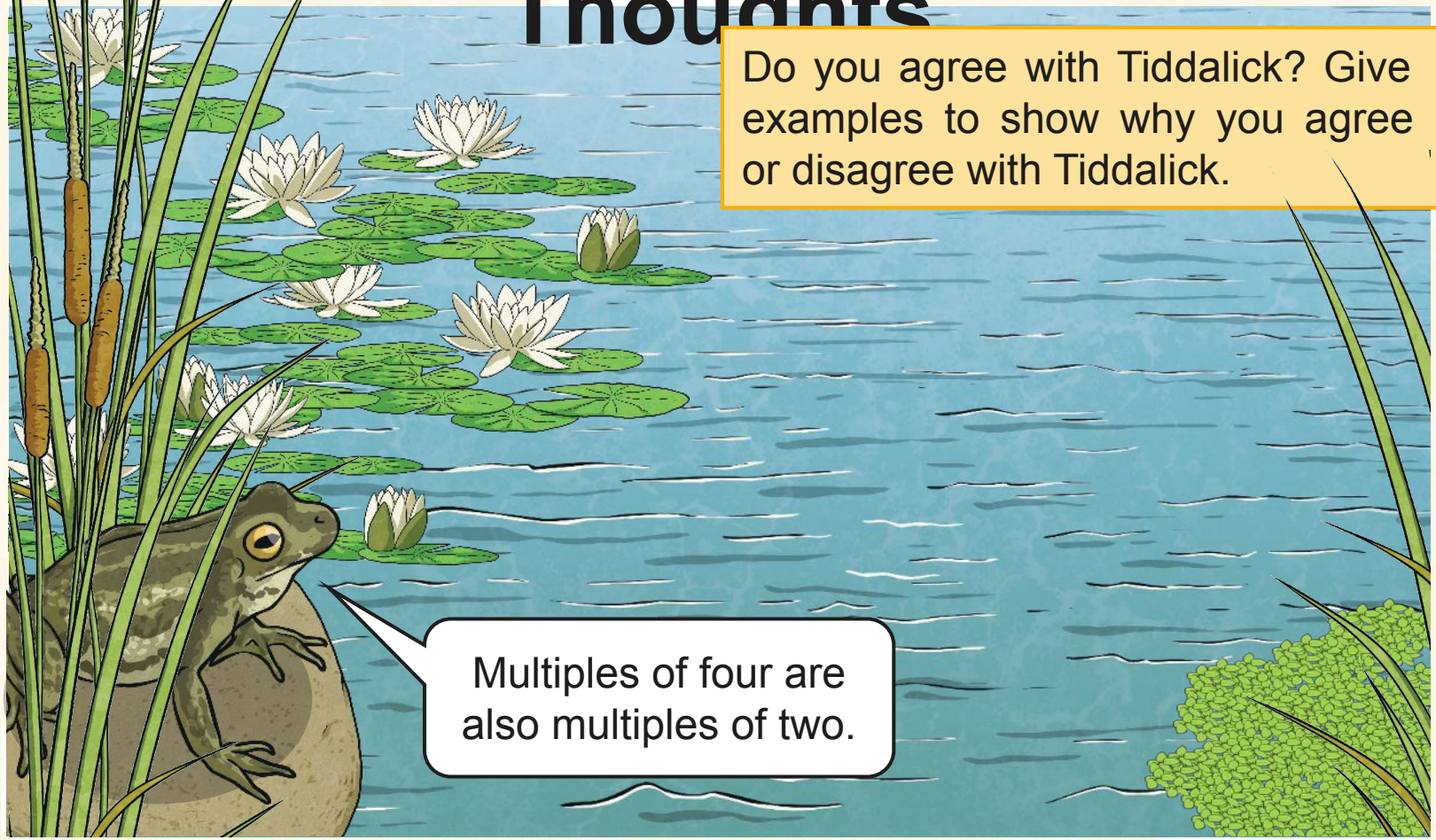
Tiddalick's Thoughts

Do you agree with Tiddalick? Give examples to show why you agree or disagree with Tiddalick.



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