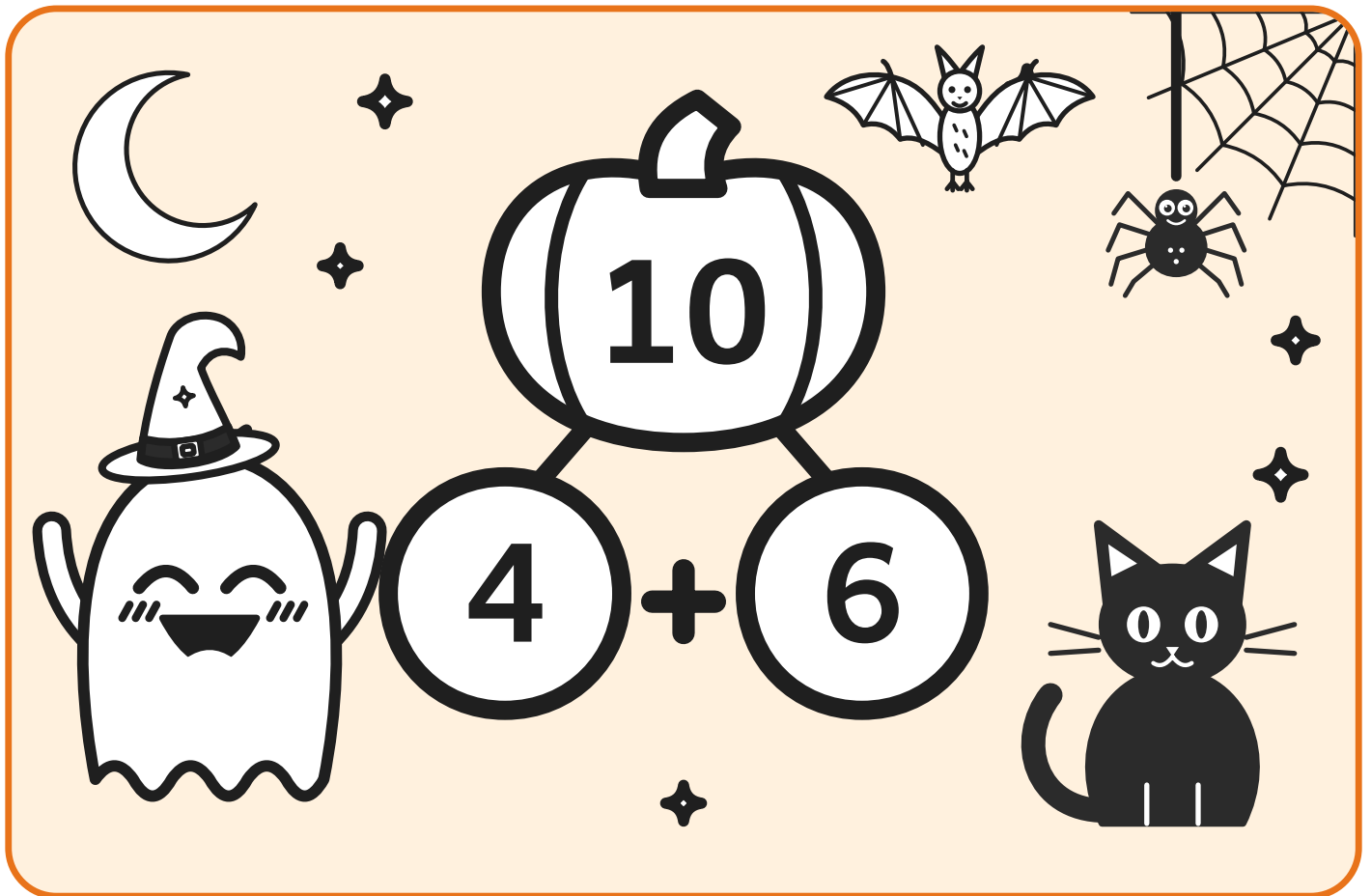


Halloween

Math Pack: Number Skills

Five gentle, not-scary math worksheets, each with three levels. Teacher notes and answer keys are included.



1 Pumpkin Number Bonds
Make 10 and 20 · fact families

2 Witch-Hat Place Value
Tens, ones and hundreds

3 Spider-Web Skip-Count Maze
Count by 10s, 5s and 2s

4 Odd or Even Black Cats
Pair up, sort and double

5 Bat Add and Subtract
Two-digit numbers and story problems

6 Teacher notes and answer key
Standards, tips and answers

☆☆☆ Starter ★★☆☆ Medium ★★★★★ Challenge
Ages 6-8 · Grades 1-2

Change The World With Karyn
changetheworldwithkaryn.com

Teacher and parent notes

Halloween Math Pack: Number Skills · Ages 6–8 · Grades 1–2

Hello, and happy Halloween! These five worksheets practice the number skills children use every day: number bonds, place value, skip counting, odd and even, and adding and subtracting. Everything is gentle, with friendly ghosts, helpful bats and no candy or treats. Each worksheet comes in three levels, so one pack suits a mixed-ability class or a family with children of different ages. Pick the level that fits each child and enjoy the chat as much as the answers.

With magic, Karyn

What is in the pack

#	Worksheet	☆☆☆ Starter	★★☆ Medium	★★★ Challenge
1	Pumpkin Number Bonds Number bonds	Make 10 with a ten-frame.	Missing part or whole, within 16.	Within 20, plus two fact families.
2	Witch-Hat Place Value Place value	Count tens and ones, up to 50.	Tens, ones and expanded form.	Hundreds, tens and ones, plus digit value.
3	Spider-Web Skip-Count Maze Skip counting	Count by 10s to 100 in a 5 by 5 maze.	Count by 5s in a 6 by 6 maze.	Count by 2s, with more dead ends.
4	Odd or Even Black Cats Odd and even	Pair up pictures, circle odd or even.	Odd or even to 20, plus doubles.	Sort to 100, doubles, true or false.
5	Bat Add and Subtract Add and subtract	Tens or ones within 100, like $42 + 5$.	Two-digit numbers, no regrouping.	Regrouping, plus three story problems.

Choosing a level

Starter has pictures and small numbers. Medium has fewer pictures and more writing. Challenge adds bigger numbers, regrouping and a little reasoning. Print the level each child needs, or let them try the next star up when they are ready. All three levels practice the same skill, so the class can still talk about it together.

Tips for using the worksheets

- **Start with real things.** Show each idea with counters, blocks or a ten-frame before the page.
- **Say it out loud.** Chant the pattern (10, 20, 30...) before the maze, then whisper it while following the path with a finger.
- **Talk before writing.** Ask “How do you know?” and “Can you show me another way?” A wrong answer is a useful clue. The key is a guide, not a checklist.
- **Dead ends are part of the maze.** If a child gets stuck, go back to the last number they were sure about and count again. Only one route works.
- **Pip’s tips show a method, not an answer.** Pip, a little ghost, uses a different example from the ones on the page.
- **Time:** most children finish a worksheet in about 10 to 20 minutes.

Printing and accessibility

Print at 100% (“Actual size”, not “Fit to page”) on US Letter paper. Black and white is fine. Each worksheet fits on one page, so you can print just the levels you need. The numbers are set in Andika, a typeface designed for beginning readers.

Curriculum links

A guide to where each worksheet fits. Each level covers a selection of these skills.

#	Worksheet	US Common Core	England National Curriculum (paraphrased)
1	Pumpkin Number Bonds	1.OA.C.6, 1.OA.D.8, 2.OA.B.2 Fact families: 1.OA.B.4	Year 1: represent and use number bonds and related subtraction facts within 20. Year 2: recall and use addition and subtraction facts to 20 fluently.
2	Witch-Hat Place Value	1.NBT.B.2, 2.NBT.A.1, 2.NBT.A.3	Year 2: recognize the place value of each digit in a two-digit number (tens, ones). The three-star sheet stretches to three digits, which the curriculum covers in Year 3.
3	Spider-Web Skip-Count Maze	2.NBT.A.2, 2.OA.C.3 Counting by 2s	Year 1: count in multiples of 2s, 5s and 10s. Year 2: count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward.
4	Odd or Even Black Cats	2.OA.C.3 The three-star sheet goes past 20	Year 2: recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognizing odd and even numbers.
5	Bat Add and Subtract	1.NBT.C.4, 1.NBT.C.6, 2.NBT.B.5, 2.OA.A.1	Year 1: add and subtract one-digit and two-digit numbers to 20. Year 2: add and subtract a two-digit number and 1s, a two-digit number and 10s, and two two-digit numbers; solve addition and subtraction problems.

US codes are Common Core State Standards for Mathematics, grades 1 and 2 (OA = Operations and Algebraic Thinking, NBT = Number and Operations in Base Ten). Some states use their own standards, so check your state's version. The England column paraphrases the Year 1 and Year 2 requirements of the national curriculum for England (ages 5 to 7); please check the exact wording on gov.uk before quoting it in a plan.

Supporting and stretching

To support

- Keep counters, blocks or a ten-frame beside the page. Move them first, then write.
- For place value, build the number with tens sticks and single cubes.
- Point to a number line while counting.

To stretch

- Ask "Can you find another way?" For $8 + 5$, make 10 first, then add the rest.
- Check a subtraction by adding. If $73 - 28 = 45$, then $45 + 28$ should be 73.
- Write a new story problem for a partner to solve.

Ideas for talking about the math

- Which number bond was easiest to remember? Which was trickiest?
- Where can you spot odd and even numbers at home or at school?

More from Karyn

Find more free reading and learning resources, and our free online kids' book club, at changetheworldwithkaryn.com. You can also watch the read-aloud stories on YouTube at [@StoryTimeWithKaryn](https://www.youtube.com/StoryTimeWithKaryn) and the lessons at [@LearnWithKaryn](https://www.youtube.com/LearnWithKaryn).

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Pumpkin Number Bonds

Name _____ Date _____

Look at the ten-frame. How many more make 10? Write the missing number in the empty circle.


PIP'S TIP

Count the empty spaces in the ten-frame. That is the number you need.

1 		2 	
3 		4 	
5 		6 	
7 		8 	



Pumpkin Number Bonds

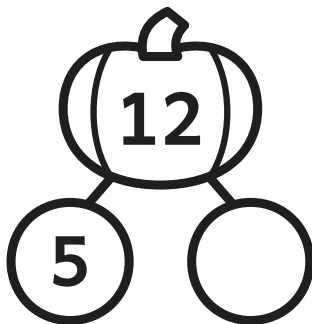
Name _____ Date _____

Find the missing number. The top shape is the **whole**. The two circles are the **parts**.

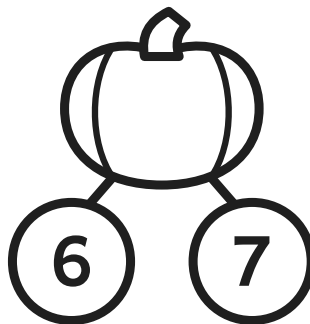
**PIP'S TIP**

Make 10 first. For $8 + 5$, take 2 from the 5 to make 10. Then add the other 3 to get 13.

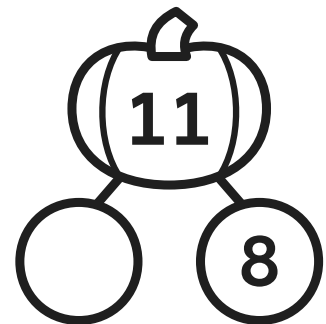
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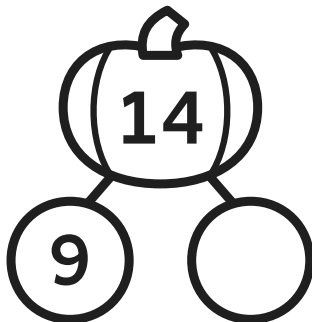
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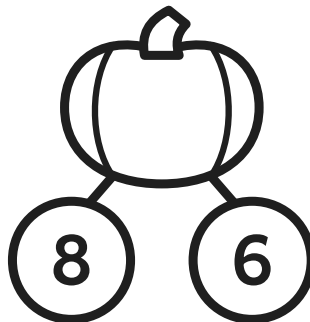
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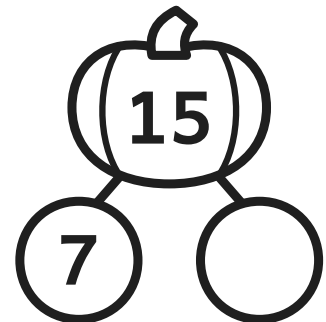
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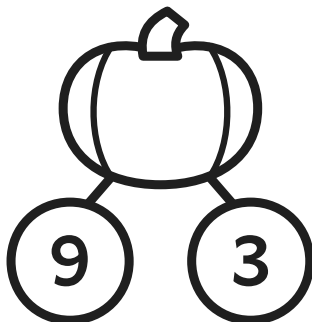
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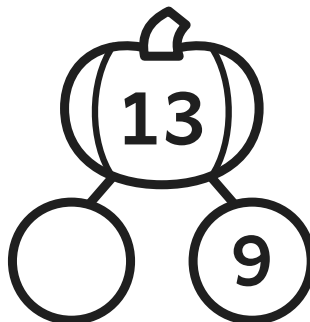
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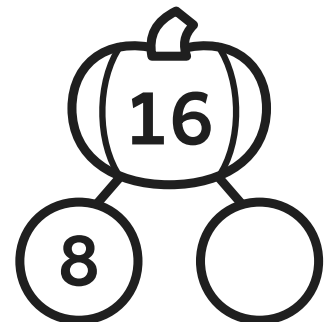
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8



9





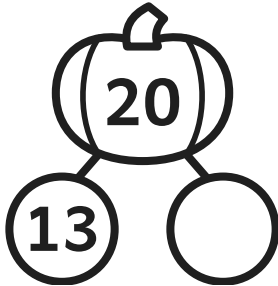
Pumpkin Number Bonds

Name _____

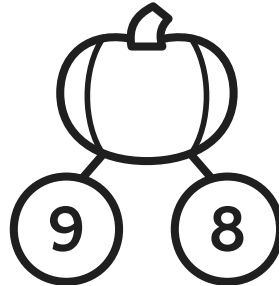
Date _____

Part A Find the missing number in each number bond.

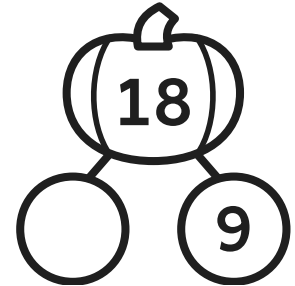
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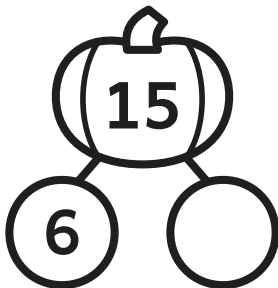
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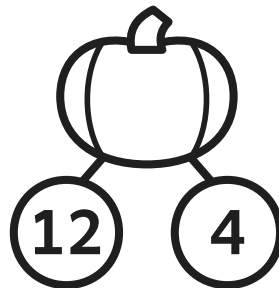
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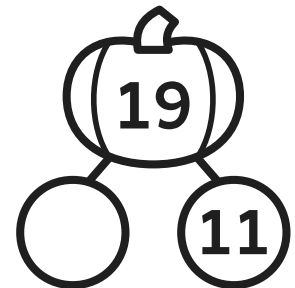
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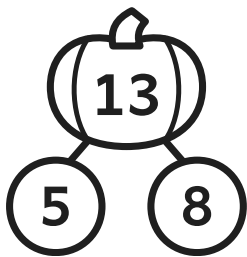
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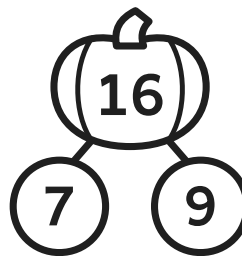

Part B **Fact families.** Use the three numbers in the bond to write four number sentences.

Family 1



$$\begin{array}{l} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

Family 2



$$\begin{array}{l} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$


PIP'S TIP

 A fact family uses the same three numbers. If $3 + 5 = 8$, then $8 - 5 = 3$.



Witch-Hat Place Value

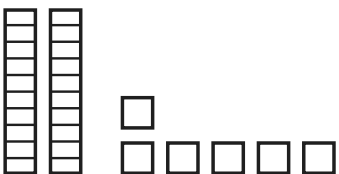
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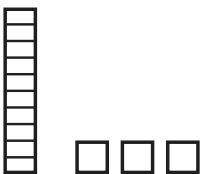
Count the **tens** and the **ones**. Write how many of each. Then write the number.

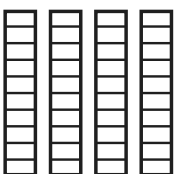


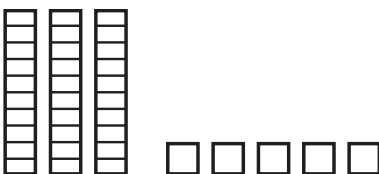
PIP'S TIP

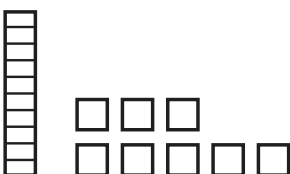
Each tall stick is 10. Each small square is 1. Count the sticks first, then the squares.

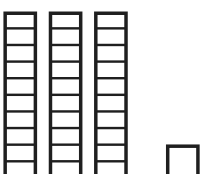
1  tens ones =

2  tens ones =

3  tens ones =

4  tens ones =

5  tens ones =

6  tens ones =

Witch-Hat Place Value



★★☆☆ Medium

Name _____ Date _____

Part A Write the **tens** and the **ones**. Then write the number in **expanded form**.

1 47 = tens ones = +

2 82 = tens ones = +

3 19 = tens ones = +

4 60 = tens ones = +

5 35 = tens ones = +

6 74 = tens ones = +

Part B Write the number.

7 6 tens and 2 ones =

--	--

8 3 tens and 9 ones =

--	--

9 9 tens and 0 ones =

--	--

10 1 ten and 5 ones =

--	--


PIP'S TIP

In 63, the 6 is in the tens place. It means 6 tens, or 60. The 3 means 3 ones. So 63 is 60 + 3.

Witch-Hat Place Value



★ ★ ★ Challenge

Name _____ Date _____

Part A Write the **hundreds, tens and ones**. Then write the number in expanded form.

	Number	Hundreds	Tens	Ones	Expanded form
1	352				+ +
2	408				+ +
3	725				+ +
4	190				+ +
5	563				+ +

Part B What is the number?

6	7 hundreds + 2 tens + 4 ones =			
7	5 hundreds + 0 tens + 9 ones =			
8	800 + 30 + 6 =			
9	4 + 70 + 200 =			

Part C How much is the **underlined** digit worth?

10	2 <u>5</u> 6 is worth				11	<u>4</u> 18 is worth			
12	93 <u>7</u> is worth				13	6 <u>8</u> 0 is worth			



Spider-Web Skip-Count Maze

Name _____

Date _____

Help the spider get to the pumpkin. **Start at 10.** Count by **10s** to find the next number each time. Move up, down, left or right.

START

79	10	91	13	17
30	20	43	99	97
40	58	83	22	81
50	80	90	72	63
60	70	100	65	88


FINISH

 Keep counting by 10s: 70, 80, 90, 100,



Spider-Web Skip-Count Maze

Name _____ Date _____

Help the spider get to the pumpkin. **Start at 5.** Count by 5s to find the next number each time. Move up, down, left or right.

START

10	5	20	25	30	43
46	10	15	6	35	33
23	15	21	45	40	53
4	1	55	50	41	11
26	9	54	55	70	65
48	8	59	60	56	49



FINISH

Keep counting by 5s: 50, 55, 60,

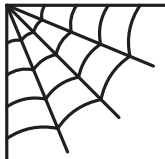


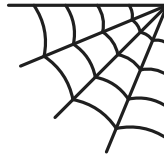
Spider-Web Skip-Count Maze

Name _____

Date _____

Help the spider get to the pumpkin. **Start at 24.** Count by 2s to find the next number each time. Move up, down, left or right.





 **START**

45	47	24	26	39	41
22	28	26	29	31	20
21	43	28	30	54	53
34	32	30	44	46	48
36	38	40	42	48	33
37	23	55	52	50	56

**FINISH**

Keep counting by 2s: 48, 50, 52,



Odd or Even Black Cats

Name _____ Date _____

Draw a loop around each pair of cats. Is one left over? Circle **odd** or **even**.

Example 5 cats: two pairs and one left over. So 5 is odd.



odd

even



odd

even



odd

even



odd

even



odd

even



odd

even



odd

even



odd

even



odd

even



PIP'S TIP

If every one has a partner, the number is **even**. If one is left over, the number is **odd**.



Odd or Even Black Cats

Name _____

Date _____

Part A Is the number **odd** or **even**? Circle one.

1 7

odd

even

2 12

odd

even

3 15

odd

even

4 4

odd

even

5 18

odd

even

6 9

odd

even

7 20

odd

even

8 13

odd

even

9 6

odd

even

10 11

odd

even

11 2

odd

even

12 17

odd

even

Part B Doubles. Every even number can be split into two equal numbers. Fill in the boxes.

13 $8 = \square + \square$

14 $10 = \square + \square$

15 $14 = \square + \square$

16 $16 = \square + \square$

**PIP'S TIP**

Even numbers end in 0, 2, 4, 6 or 8. Odd numbers end in 1, 3, 5, 7 or 9.



Odd or Even Black Cats

Name _____

Date _____

Part A Write each number in the right box.

14

37

50

63

78

85

92

41

26

99

Even numbers (pairs, none left over)

Odd numbers (one left over)

Part B **Doubles.** Split each even number into two equal numbers.

11 $16 = \square + \square$

12 $24 = \square + \square$

13 $46 = \square + \square$

14 $62 = \square + \square$

Part C True or false? Circle one.

15 Every number that ends in 0, 2, 4, 6 or 8 is even.

True

False

16 An odd number can be split into two equal groups.

True

False

 17 $7 + 7$ is an odd number.

True

False

 18 $3 + 5 = 8$. An odd number plus an odd number makes an even number.

True

False



Bat Add and Subtract

Name _____

Date _____

Add or subtract. Write the answer in the box.

**PIP'S TIP**

To add $42 + 5$, add the ones: $2 + 5 = 7$. So $42 + 5 = 47$. The tens stay the same.

1 $30 + 20 = \square$

2 $60 - 40 = \square$

3 $34 + 5 = \square$

4 $52 + 40 = \square$

5 $79 - 5 = \square$

6 $70 - 30 = \square$

7 $26 + 30 = \square$

8 $85 - 20 = \square$

9 $41 + 7 = \square$

10 $58 - 4 = \square$

11 $63 + 30 = \square$

12 $96 - 6 = \square$



Bat Add and Subtract

Name _____ Date _____

Add or subtract. Line up the tens and the ones. Work out the **ones** first.



PIP'S TIP

Ones first, then tens. For $32 + 14$: $2 + 4 = 6$ ones, then $3 + 1 = 4$ tens. The answer is 46.

1 tensones 43 +25	2 tensones 62 +14	3 tensones 38 +51	4 tensones 25 +34
5 tensones 51 +36	6 tensones 74 +23	7 tensones 76 -32	8 tensones 58 -24
9 tensones 89 -63	10 tensones 95 -41	11 tensones 67 -45	12 tensones 38 -26



Bat Add and Subtract

Name _____ Date _____

Part A Add or subtract. **Regroup** if you need to. Use the small boxes to help.

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Part B Read the story. Write a number sentence. Then write the answer.

7 46 bats sleep in a cave. 28 bats fly out. How many bats are left?
 = Answer: bats

8 37 bats hang in a tree. 25 bats hang in a barn. How many bats in all?
 = Answer: bats

9 58 bats fly over the moon. 27 more bats join them. How many bats now?
 = Answer: bats

Answer key

For teachers and parents. Accept any correct method. For addition, number sentences can be written in either order ($5 + 8$ or $8 + 5$).

Worksheet 1 • Pumpkin Number Bonds

☆☆☆ **Starter** Write the missing number

1. 4 2. 7 3. 2 4. 6 5. 1 6. 8 7. 3 8. 5

★★☆ **Medium** Write the missing number

1. 7 2. 13 3. 3 4. 5 5. 14 6. 8 7. 12 8. 4 9. 8

★★★ **Challenge**

Part A 1. 7 2. 17 3. 9 4. 9 5. 16 6. 8

Part B Fact families. The two addition sentences can be in either order, and so can the two subtraction sentences.

Family 1 (5, 8, 13): $5 + 8 = 13$ · $8 + 5 = 13$ · $13 - 5 = 8$ · $13 - 8 = 5$

Family 2 (7, 9, 16): $7 + 9 = 16$ · $9 + 7 = 16$ · $16 - 7 = 9$ · $16 - 9 = 7$

Worksheet 2 • Witch-Hat Place Value

☆☆☆ **Starter** Tens, ones, then the number

1. 2 tens 6 ones = 26 2. 1 ten 3 ones = 13 3. 4 tens 0 ones = 40 4. 3 tens 5 ones = 35 5. 1 ten 8 ones = 18
6. 3 tens 1 one = 31

★★☆ **Medium**

Part A 1. 4 tens, 7 ones; $40 + 7$ 2. 8 tens, 2 ones; $80 + 2$ 3. 1 ten, 9 ones; $10 + 9$ 4. 6 tens, 0 ones; $60 + 0$
5. 3 tens, 5 ones; $30 + 5$ 6. 7 tens, 4 ones; $70 + 4$

Part B 7. 62 8. 39 9. 90 10. 15

★★★ **Challenge** Part A shows hundreds, tens, ones, then expanded form

Part A 1. 3, 5, 2; $300 + 50 + 2$ 2. 4, 0, 8; $400 + 0 + 8$ 3. 7, 2, 5; $700 + 20 + 5$ 4. 1, 9, 0; $100 + 90 + 0$
5. 5, 6, 3; $500 + 60 + 3$

Part B 6. 724 7. 509 8. 836 9. 274

Part C 10. 50 11. 400 12. 7 13. 80

Worksheet 3 · Spider-Web Skip-Count Maze

Each maze has one route from the start to the finish. The gray path shows it. Wrong turns that look right for a moment are on purpose.

79	10	91	13	17
30	20	43	99	97
40	58	83	22	81
50	80	90	72	63
60	70	100	65	88

☆☆☆

Starter

10	5	20	25	30	43
46	10	15	6	35	33
23	15	21	45	40	53
4	1	55	50	41	11
26	9	54	55	70	65
48	8	59	60	56	49

★★☆

Medium

45	47	24	26	39	41
22	28	26	29	31	20
21	43	28	30	54	53
34	32	30	44	46	48
36	38	40	42	48	33
37	23	55	52	50	56

★★★

Challenge

Starter: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100. Keep counting: 110, 120.

Medium: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60. Keep counting: 65, 70, 75.

Challenge: 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52. Keep counting: 54, 56, 58.

Worksheet 4 · Odd or Even Black Cats

☆☆☆ **Starter** Pairs of cats

1. 3: odd 2. 6: even 3. 5: odd 4. 8: even 5. 2: even 6. 7: odd 7. 4: even 8. 9: odd

★★☆ **Medium**

Part A 1. 7: odd 2. 12: even 3. 15: odd 4. 4: even 5. 18: even 6. 9: odd 7. 20: even 8. 13: odd 9. 6: even
10. 11: odd 11. 2: even 12. 17: odd

Part B 13. $8 = 4 + 4$ 14. $10 = 5 + 5$ 15. $14 = 7 + 7$ 16. $16 = 8 + 8$

★★★ **Challenge**

Part A **Even** 14, 50, 78, 92, 26 **Odd** 37, 63, 85, 41, 99

Part B 11. $16 = 8 + 8$ 12. $24 = 12 + 12$ 13. $46 = 23 + 23$ 14. $62 = 31 + 31$

Part C

15 **True.** Even numbers always end in 0, 2, 4, 6 or 8.

16 **False.** An odd number always has one left over, so it cannot be split into two equal groups.

17 **False.** $7 + 7 = 14$, which is even. Two equal groups always make an even number.

18 **True.** The two left-over ones pair up with each other, so there is none left over.

Worksheet 5 · Bat Add and Subtract

☆☆☆ **Starter**

1. 50 2. 20 3. 39 4. 92 5. 74 6. 40 7. 56 8. 65 9. 48 10. 54 11. 93 12. 90

★★☆ **Medium**

1. 68 2. 76 3. 89 4. 59 5. 87 6. 97 7. 44 8. 34 9. 26 10. 54 11. 22 12. 12

★★★ **Challenge**

Part A 1. $47 + 26 = 73$ 2. $58 + 35 = 93$ 3. $29 + 63 = 92$ 4. $82 - 37 = 45$ 5. $61 - 28 = 33$ 6. $74 - 46 = 28$

Part B 7. $46 - 28 = 18$ bats 8. $37 + 25 = 62$ bats 9. $58 + 27 = 85$ bats