Winter Math Mysteries

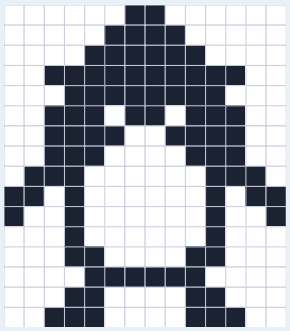
What's inside. Two one-page math activities, each in two versions. The versions look the same and have the same answers, so the whole class gets the same picture and the same sentence. Only the problems change:

- ❄❄ **Core** (pages 2 and 4): subtraction within 100 with regrouping, including missing-addend problems such as 68 + __ = 81 (2.NBT.B.5).
- ❄ **Support** (pages 3 and 5): addition and subtraction within 20 that crosses ten (2.OA.B.2).

The snowflakes in the bottom-left corner tell you which version is which. Print black and white.

Winter Mystery Picture

Say: "Solve each problem. Then shade every square that has one of your answers."
Built-in check: the white squares hold the numbers children get from the usual slips: forgetting to regroup (❄❄ pages) or counting one off (both). A shaded square outside the picture means one problem needs another look.



The finished picture: a penguin in a winter hat.

The Silly Snow Sentence

Say: "Solve each problem. Circle the word next to your answer. Then read your silly sentence."
Built-in check: in each row, one wrong word sits at a regrouping slip and the other at an off-by-one slip. Read the real sentence aloud at the end; a child with a different word knows which row to recheck.
The sentence: "The snowman ate soup in a hot bathtub."
Children copy it and draw it, which keeps early finishers busy.

Answer key

Mystery Picture

#	❄❄ Core	❄ Support	Answer
1	50 − 39 = __	6 + 5 = __	11
2	82 − 78 = __	11 − 7 = __	4
3	68 + __ = 81	8 + 5 = __	13
4	44 − 38 = __	11 − 5 = __	6
5	43 − 28 = __	7 + 8 = __	15
6	95 − 87 = __	13 − 5 = __	8
7	33 + __ = 50	9 + 8 = __	17
8	81 − 79 = __	11 − 9 = __	2

Silly Snow Sentence

#	❄❄ Core	❄ Support	Answer
1	51 − 37 = __	6 + 8 = __	14
2	85 − 78 = __	15 − 8 = __	7
3	59 + __ = 71	9 + 3 = __	12
4	54 − 49 = __	13 − 8 = __	5
5	73 − 57 = __	7 + 9 = __	16
6	56 − 47 = __	11 − 2 = __	9
7	28 + __ = 41	5 + 8 = __	13
8	50 − 47 = __	11 − 8 = __	3

Pilot feedback

After you try one or both, please email dan@hidequest.com. Only about the activity, please: no student names, work or photos.

1. Which one did you run, and did children start without help?
2. Where did anyone get stuck?
3. Would you use this format again with different skills or themes?
4. What would you change?

Winter Mystery Picture

Name _____

Solve each problem. Then shade every square that has one of your answers.

1. 50 – 39 = ____
2. 82 – 78 = ____
3. 68 + ____ = 81
4. 44 – 38 = ____
5. 43 – 28 = ____
6. 95 – 87 = ____
7. 33 + ____ = 50
8. 81 – 79 = ____

12	21	27	7	23	18	13	13	29	5	14	27	9	12
3	21	18	16	29	2	17	4	2	21	29	9	9	14
10	23	12	12	15	11	2	13	4	8	9	21	14	7
14	27	8	17	4	6	8	13	6	17	17	8	25	27
3	16	16	17	13	6	4	2	15	6	2	9	18	5
10	12	6	11	2	5	11	11	21	17	17	11	14	25
1	1	15	6	13	4	18	18	4	8	11	13	5	29
12	12	11	2	13	7	16	12	1	11	17	4	1	16
3	8	8	8	1	27	23	10	1	10	15	11	8	29
4	6	18	15	9	5	10	5	3	25	2	27	11	6
15	21	5	2	3	3	3	12	29	27	11	23	23	4
18	18	14	15	25	7	3	7	23	10	15	7	10	25
27	21	5	13	8	14	16	23	21	15	6	16	1	25
27	1	25	23	13	17	17	15	13	17	10	29	9	14
16	3	16	15	8	7	7	10	25	2	11	18	23	25
14	9	6	4	4	29	1	5	21	6	2	4	7	9

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Winter Mystery Picture

Name _____

Solve each problem. Then shade every square that has one of your answers.

1. 6 + 5 = ____
2. 11 – 7 = ____
3. 8 + 5 = ____
4. 11 – 5 = ____
5. 7 + 8 = ____
6. 13 – 5 = ____
7. 9 + 8 = ____
8. 11 – 9 = ____

12	21	27	7	23	18	13	13	29	5	14	27	9	12
3	21	18	16	29	2	17	4	2	21	29	9	9	14
10	23	12	12	15	11	2	13	4	8	9	21	14	7
14	27	8	17	4	6	8	13	6	17	17	8	25	27
3	16	16	17	13	6	4	2	15	6	2	9	18	5
10	12	6	11	2	5	11	11	21	17	17	11	14	25
1	1	15	6	13	4	18	18	4	8	11	13	5	29
12	12	11	2	13	7	16	12	1	11	17	4	1	16
3	8	8	8	1	27	23	10	1	10	15	11	8	29
4	6	18	15	9	5	10	5	3	25	2	27	11	6
15	21	5	2	3	3	3	12	29	27	11	23	23	4
18	18	14	15	25	7	3	7	23	10	15	7	10	25
27	21	5	13	8	14	16	23	21	15	6	16	1	25
27	1	25	23	13	17	17	15	13	17	10	29	9	14
16	3	16	15	8	7	7	10	25	2	11	18	23	25
14	9	6	4	4	29	1	5	21	6	2	4	7	9

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The Silly Snow Sentence

Name _____

Solve each problem. Circle the word next to your answer. Then read your silly sentence!

1	51 – 37 = ____	14 The	15 One	26 A
2	85 – 78 = ____	7 snowman	8 puppy	13 farmer
3	59 + ____ = 71	11 spilled	12 ate	22 made
4	54 – 49 = ____	4 rice	5 soup	15 toast
5	73 – 57 = ____	16 in	17 near	26 by
6	56 – 47 = ____	9 a	10 my	11 the
7	28 + ____ = 41	12 red	13 hot	23 big
8	50 – 47 = ____	2 igloo	3 bathtub	13 kitchen

Write your silly sentence:

Draw it!

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The Silly Snow Sentence

Name _____

Solve each problem. Circle the word next to your answer. Then read your silly sentence!

1	6 + 8 = ____	14 The	15 One	26 A
2	15 – 8 = ____	7 snowman	8 puppy	13 farmer
3	9 + 3 = ____	11 spilled	12 ate	22 made
4	13 – 8 = ____	4 rice	5 soup	15 toast
5	7 + 9 = ____	16 in	17 near	26 by
6	11 – 2 = ____	9 a	10 my	11 the
7	5 + 8 = ____	12 red	13 hot	23 big
8	11 – 8 = ____	2 igloo	3 bathtub	13 kitchen

Write your silly sentence:

_____

_____

Draw it!

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