

Lesson 7 – Add and Subtract 1s

NC Objective:

Add and subtract numbers using concrete objects, pictorial representations

Resources needed:

Differentiated worksheet
Teaching Slides
Bead strings

Vocabulary:

Addition, subtraction, facts, number bonds, patterns

Children should start seeing the pattern when we add and subtract 1 and comment upon what happens. This is the step before finding ten more than or ten less than, as bridging beyond a 10 should not be attempted yet. The pattern should be highlighted also by adding 2 (by adding another one) and then adding 3.

Key Questions:

What happens when we add 2? What about if we want to add 3?

What is the link between adding 1 and adding 2?

How can a bead string help when we are adding 1, 2, 3 etc.?

Arithmetic

Arithmetic		
☆	☆☆	☆☆☆
$7 + 1 =$	$17 + 2 =$	$16 + 8 =$
$4 - 1 =$	$27 - 3 =$	$23 - 5 =$
$15 + 1 =$	$52 + 3 =$	$4 + 67 =$
$6 + 1 =$	$2 + 27 =$	$78 + 3 =$
$1 + 23 =$	$44 - 4 =$	$91 - 7 =$
$18 - 1 =$	$16 + 2 =$	$3 + 34 + 43 =$
$10 + 1 =$	$19 - 5 =$	$22 + 8 + 21 =$
$29 - 1 =$	$71 + 4 =$	$6 + 21 = 30 =$
$13 - 1 =$	$2 + 81 =$	$45 + 6 = 47 +$
$27 - 1 =$	$67 - 7 =$	$76 - 4 = 70 +$



Working Towards

Add and Subtract 1s ☆☆☆ Fluency & Precision 2

Use the sentences to match each picture or use them to help you write your own. Look at them carefully! Not all of them are correct.

There are 3 farm, 1 more there will be 4.

There are 5 birthday cake, 1 more there will be 6.

There are 9 sky, 1 buy 1 I now have 10.

3 children, 1 child has there will be 4.

There are 4 balloons on an invitation, I draw 1 more on. There will be 5 balloons.

There are 7 trees on the farm, 1 tree is chopped down. There will be 6 trees left.

There are 9 kites in the sky, I buy 1 more to fly. I now have 10 kites.

There are 3 chicks in the farm, 1 more joins them so there will be 4 chicks.

3 children are playing, 1 child has to go home so there will be 2 children left.

There are 4 balloons on an invitation, I draw 1 more on. There will be 5 balloons.

There are 7 trees on the farm, 1 tree is chopped down. There will be 6 trees left.

There are 9 kites in the sky, I buy 1 more to fly. I now have 10 kites.

There are 3 chicks in the farm, 1 more joins them so there will be 4 chicks.

3 children are playing, 1 child has to go home so there will be 2 children left.



Working Within

Add and Subtract 1s ☆☆☆ Fluency & Precision 2

Cut out the cards and make one addition and one subtraction sentence for each picture. Add or subtract 2 or 3.

Make one addition and one subtraction sentence for each picture. Add or subtract 2 or 3.



Greater Depth

Add and Subtract 1s ☆☆☆ Fluency & Precision 2

Make one addition and one subtraction sentence for each picture. Add or subtract any 1-digit number from 2-9. Write a number sentence as well as a written sentence.

Children on this sheet will have statements that they match with the picture. It can be cut out and stuck in their books or used as a worksheet.

Children on this sheet will cut out and write their own number sentence story below the picture. They can add and subtract 1, 2 and 3. Worksheet is also provided.

Children on this sheet will write their own number sentence stories, they will have a larger range to work with and understand that they numbers should be kept positive. So calculations need to be thought about.

Reasoning & Problem Solving

Add and Subtract 1s Reasoning & Problem Solving 2

TRUE or FALSE?

These four calculations have the same answer.

$2 + 3 + 4$ $4 + 2 + 3$
 $3 + 4 + 2$ $2 + 4 + 3$

These four calculations have the same answer.

$9 - 3 - 2$ $9 - 2 - 3$
 $3 - 9 - 2$ $3 - 2 - 9$

Zach's house

Rosie's house

Zach lives 6 km from the school. Rosie lives 5 km from the school in the same direction.

What is the distance between Zach's house and Rosie's house?

After travelling to and from school, Zach thinks that he will walk 1 km more than Rosie. Is he correct? Explain your answer.

What will be the difference in distance walked after 2 school days?

Children continue working on adding and subtracting ones by answering a true or false question and a reasoning word problem.



Cut out the pictures and statements.

Use the sentences to match each picture or use them to help you write your own.

Look at them carefully! Not all of them are correct.

There are 3 chicks in the farm. 1 more joins them so there will be 4 chicks.

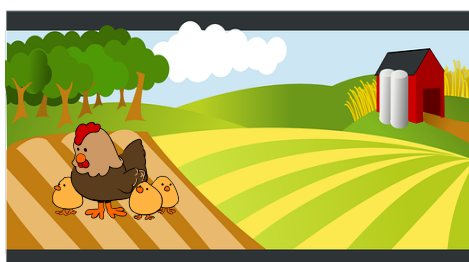
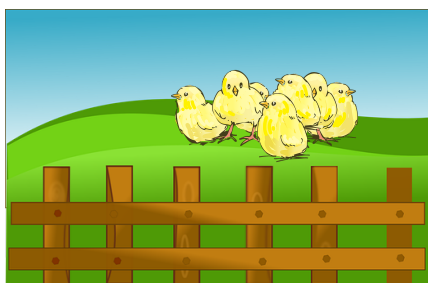
3 children are playing. 1 child has to go home so there will be 2 children left.

There are 5 candles on a birthday cake. 1 gets blown out. There will be 4 left.

There are 7 trees on the farm. 1 tree is chopped down. There will be 4 trees left.

There are 9 kites in the sky. I buy 1 more to fly. I now have 10 kites.

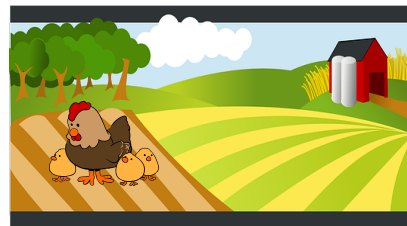
There are 4 balloons on an invitation. I draw 1 more on. There will be 5 balloons.





Use the sentences to match each picture or use them to help you write your own.
Look at them carefully! Not all of them are correct.

There are 3 chicks in the farm. 1 more joins them so there will be 4 chicks.



There are 5 candles on a birthday cake. 1 gets blown out. There will be 4 left.



There are 9 kites in the sky. I buy 1 more to fly. I now have 10 kites.



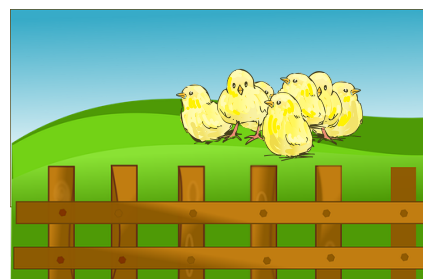
3 children are playing. 1 child has to go home so there will be 2 children left.



There are 4 balloons on an invitation. I draw 1 more on. There will be 5 balloons.



There are 7 trees on the farm. 1 tree is chopped down. There will be 4 trees left.





Cut out the pictures and statements.

Use the sentences to match each picture or use them to help you write your own.

Look at them carefully! Not all of them are correct.



3 children are playing. 1 child has to go home so there will be 2 children left.



There are 5 candles on a birthday cake. 1 gets blown out. There will be 4 left.

There are 4 balloons on an invitation. I draw 1 more on. There will be 5 balloons.

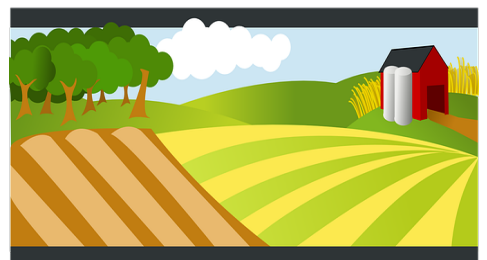


There are 9 kites in the sky. I buy 1 more to fly. I now have 10 kites.

X

There are 7 trees on the farm. 1 tree is chopped down. There will be 4 trees left.

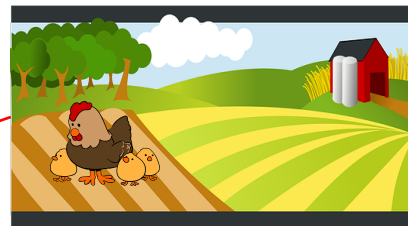
There are 3 chicks in the farm. 1 more joins them so there will be 4 chicks.





Use the sentences to match each picture or use them to help you write your own.
Look at them carefully! Not all of them are correct.

There are 3 chicks in the farm. 1 more joins them so there will be 4 chicks.



There are 5 candles on a birthday cake. 1 gets blown out. There will be 4 left.



There are 9 kites in the sky. I buy 1 more to fly. I now have 10 kites.



3 children are playing. 1 child has to go home so there will be 2 children left.

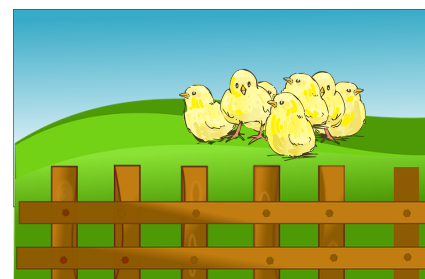


There are 4 balloons on an invitation. I draw 1 more on. There will be 5 balloons.



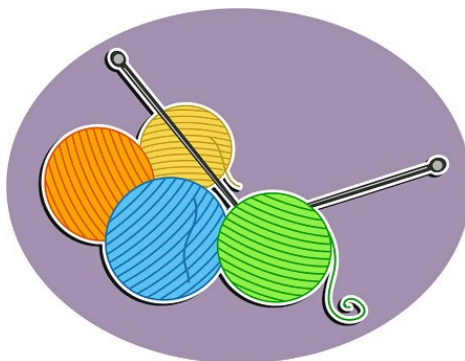
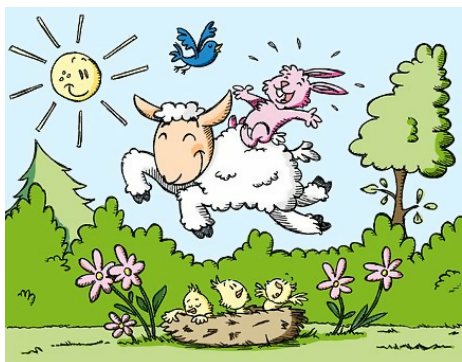
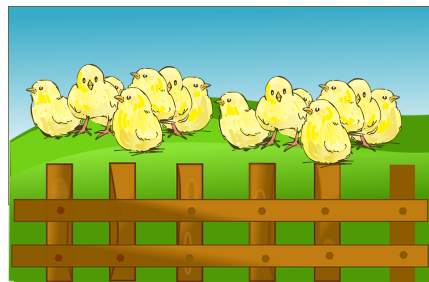
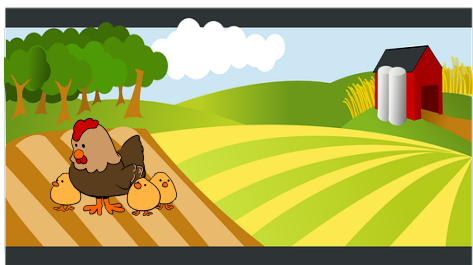
There are 7 trees on the farm. 1 tree is chopped down. There will be 4 trees left.

X



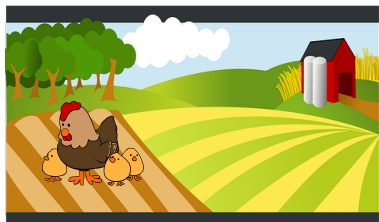


Cut out the cards and make one addition and one subtraction sentence for each picture.
Add or subtract 2 or 3.





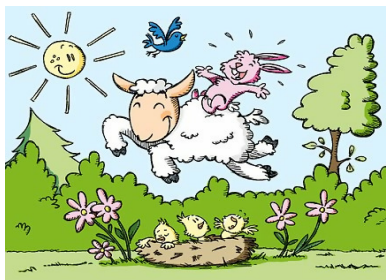
Make one addition and one subtraction sentence for each picture. Add or subtract 2 or 3.

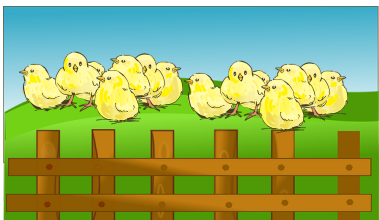








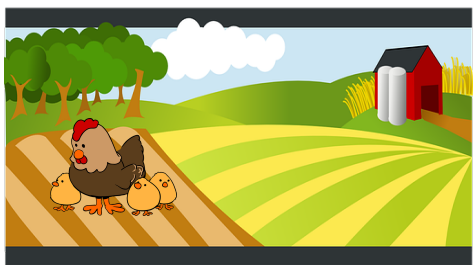






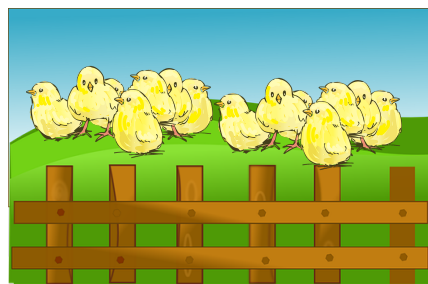


Make one addition and one subtraction sentence for each picture.
Add or subtract 2 or 3.



There were 7 trees in the farm but 2 were cut down. Now there are 5.

There is 1 cloud in sky. 3 more clouds appear. Now there are 4 clouds.



There are 14 lost chicks. 3 jump over the fence. There are 11 chicks left.

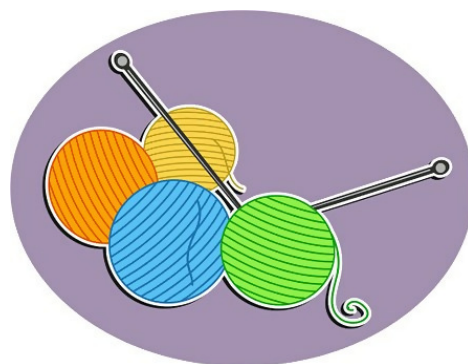
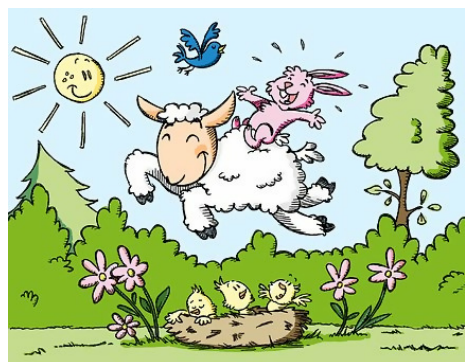
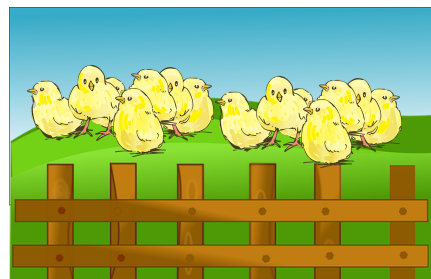
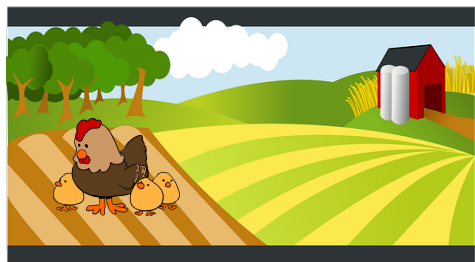
There are 11 nails in the fence. The farmer adds 2 more. Now there are 13 nails.



Make one addition and one subtraction sentence for each picture.

Add or subtract any 1 digit number from 2-9.

Write a number sentence as well as a written sentence.





Make one addition and one subtraction sentence for each picture.

Add or subtract any 1 digit number from 2-9.

Write a number sentence as well as a written sentence.

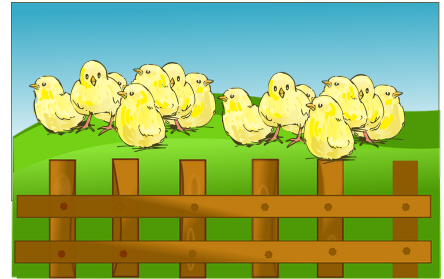


There were 7 trees in the farm but 2 were cut down. Now there are 5.

$$7 - 2 = 5$$

There is 1 cloud in sky. 8 more clouds appear. Now there are 9 clouds.

$$1 + 8 = 9$$



There are 14 lost chicks. 7 jump over the fence. There are 7 chicks left.

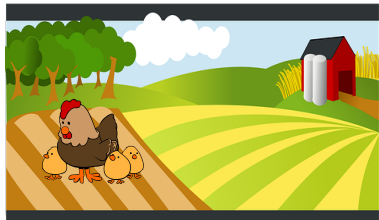
$$14 - 7 = 7$$

There are 11 nails in the fence. The farmer adds 4 more. Now there are 15 nails.

$$11 + 4 = 15$$



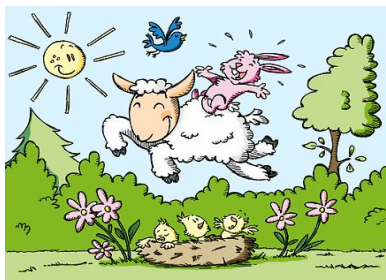
Make one addition and one subtraction sentence for each picture.
Add or subtract a 1-digit number from 2 - 9

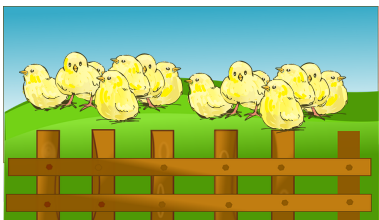














Arithmetic

★	★★	★★★
$7 + 1 =$	$17 + 2 =$	$16 + 8 =$
$4 - 1 =$	$27 - 3 =$	$23 - 5 =$
$15 + 1 =$	$52 + 3 =$	$4 + 67 =$
$6 + 1 =$	$2 + 27 =$	$78 + 3 =$
$1 + 23 =$	$44 - 4 =$	$91 - 7 =$
$18 - 1 =$	$16 + 2 =$	$3 + 34 = 43 - \underline{\hspace{1cm}}$
$10 + 1 =$	$19 - 5 =$	$22 + 8 = 21 + \underline{\hspace{1cm}}$
$29 - 1 =$	$71 + 4 =$	$6 + 21 = 30 - \underline{\hspace{1cm}}$
$13 - 1 =$	$2 + 81 =$	$45 + 6 = 47 + \underline{\hspace{1cm}}$
$27 - 1 =$	$67 - 7 =$	$76 - 4 = 70 + \underline{\hspace{1cm}}$

Arithmetic

★	★★	★★★
$7 + 1 = 8$	$17 + 2 = 19$	$16 + 8 = 24$
$4 - 1 = 3$	$27 - 3 = 24$	$23 - 5 = 18$
$15 + 1 = 16$	$52 + 3 = 55$	$4 + 67 = 71$
$6 + 1 = 7$	$2 + 27 = 29$	$78 + 3 = 81$
$1 + 23 = 24$	$44 - 4 = 40$	$91 - 7 = 84$
$18 - 1 = 17$	$16 + 2 = 18$	$3 + 34 = 43 - \underline{6}$
$10 + 1 = 11$	$19 - 5 = 14$	$22 + 8 = 21 + \underline{9}$
$29 - 1 = 28$	$71 + 4 = 75$	$6 + 21 = 30 - \underline{3}$
$13 - 1 = 12$	$2 + 81 = 83$	$45 + 6 = 47 + \underline{4}$
$27 - 1 = 26$	$67 - 7 = 60$	$76 - 4 = 70 + \underline{2}$

TRUE or FALSE?

These four calculations have the same answer.

$$2 + 3 + 4 \quad 4 + 2 + 3$$

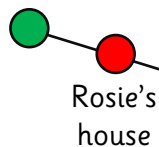
$$3 + 4 + 2 \quad 2 + 4 + 3$$

These four calculations have the same answer.

$$9 - 3 - 2 \quad 9 - 2 - 3$$

$$3 - 9 - 2 \quad 3 - 2 - 9$$

Zach's
house



Zach lives 6 km from the school.
Rosie lives 5 km from the school in
the same direction.

What is the distance between Zach's and Rosie's houses?

After travelling to and from school, Zach thinks that he will walk 1 km more than Rosie. Is he correct? Explain your answer.

What will be the difference in the distance walked after 2 school days?

TRUE or FALSE?

These four calculations have the same answer.

$$2 + 3 + 4 \quad 4 + 2 + 3$$

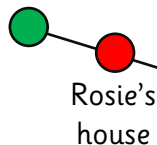
$$3 + 4 + 2 \quad 2 + 4 + 3$$

These four calculations have the same answer.

$$9 - 3 - 2 \quad 9 - 2 - 3$$

$$3 - 9 - 2 \quad 3 - 2 - 9$$

Zach's
house



Zach lives 6 km from the school.
Rosie lives 5 km from the school in
the same direction.

What is the distance between Zach's and Rosie's houses?

After travelling to and from school, Zach thinks that he will walk 1 km more than Rosie. Is he correct? Explain your answer.

What will be the difference in the distance walked after 2 school days?

TRUE or FALSE?

These four calculations have the same answer.

$$2 + 3 + 4 \quad 4 + 2 + 3$$

$$3 + 4 + 2 \quad 2 + 4 + 3$$

True, because they all equal to 9 and addition is commutative.

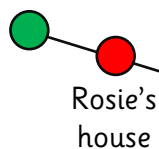
These four calculations have the same answer.

$$9 - 3 - 2 \quad 9 - 2 - 3$$

$$3 - 9 - 2 \quad 3 - 2 - 9$$

False, because subtraction is not commutative.

Zach's house



Zach lives 6 km from the school.
Rosie lives 5 km from the school in the same direction.

What is the distance between Zach's and Rosie's houses? 1 km

After travelling to and from school, Zach thinks that he will walk 1 km more than Rosie. Is he correct? Explain your answer.
No, he will walk 2 km further. 1 km on the way to school and 1 km on the way from school.

What will be the difference in the distance walked after 2 school days? 4 km

TRUE or FALSE?

These four calculations have the same answer.

$$2 + 3 + 4 \quad 4 + 2 + 3$$

$$3 + 4 + 2 \quad 2 + 4 + 3$$

True, because they all equal to 9 and addition is commutative.

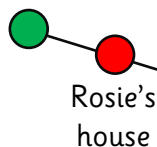
These four calculations have the same answer.

$$9 - 3 - 2 \quad 9 - 2 - 3$$

$$3 - 9 - 2 \quad 3 - 2 - 9$$

False, because subtraction is not commutative.

Zach's house



Zach lives 6 km from the school.
Rosie lives 5 km from the school in the same direction.

What is the distance between Zach's and Rosie's houses? 1 km

After travelling to and from school, Zach thinks that he will walk 1 km more than Rosie. Is he correct? Explain your answer.
No, he will walk 2 km further. 1 km on the way to school and 1 km on the way from school.

What will be the difference in the distance walked after 2 school days? 4 km