

# Varied Fluency

## Step 1: Add by Counting On

### National Curriculum Objectives:

Mathematics Year 1: (1C2a) [Add and subtract one-digit and two-digit numbers to 20, including zero](#)

Mathematics Year 1: (1C4) [Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as  \$7 = \square - 9\$](#)

### Differentiation:

**Developing** Questions to support adding two 1-digit numbers or a 1-digit and a 2-digit number by counting on (includes numbers up to 20). Numerals only. Pictorial support for every question.

**Expected** Questions to support adding two 1-digit or a 1-digit and a 2-digit number by counting on (includes numbers up to 20). Numerals only. Some pictorial support, including bar models and number lines.

**Greater Depth** Questions to support adding two 1-digit or a 1-digit and a 2-digit by counting on (includes numbers up to 20). Numerals and words. Use of number lines only, some unmarked divisions.

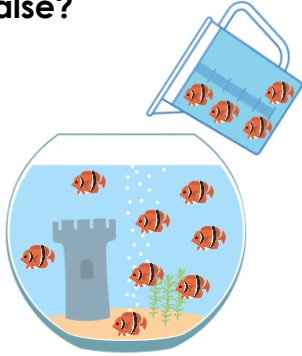
More [Year 1 Addition and Subtraction](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

# Add by Counting On

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1a. True or false?

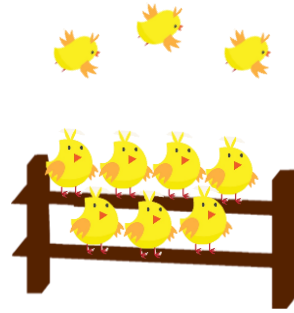


There are 8 fish in a bowl.  
4 more are added.  
Now there are 14 fish.



VF

1b. True or false?



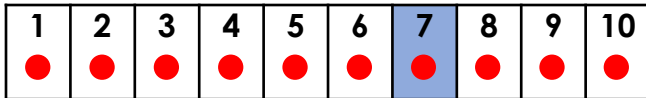
There are 7 birds on a fence.  
3 more fly down.  
Now there are 10 birds.



VF

2a. Use the number line to complete the number sentence.

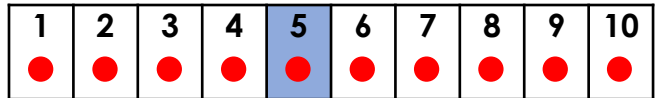
$$7 + 2 = \square$$



VF

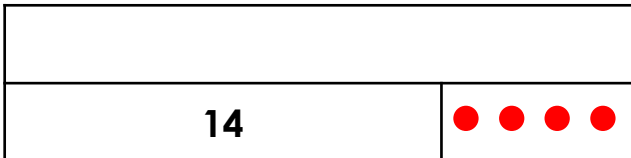
2b. Use the number line to complete the number sentence.

$$5 + 3 = \square$$



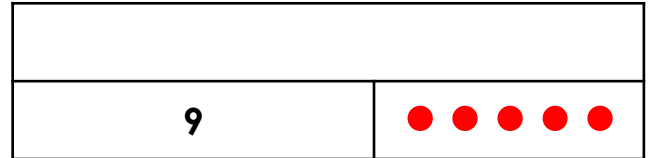
VF

3a. Complete the bar model by counting on.



VF

3b. Complete the bar model by counting on.



VF

4a. Circle the number sentence shown by the number pieces and write the answer.

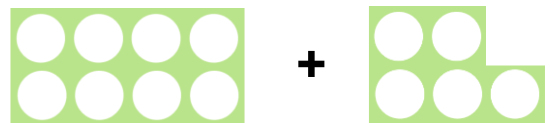


$$9 + 7 = \square \quad 9 + 6 = \square$$



VF

4b. Circle the number sentence shown by the number pieces and write the answer.



$$8 + 6 = \square \quad 8 + 5 = \square$$

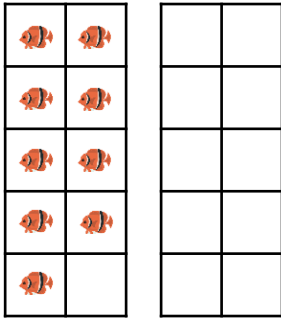


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# Add by Counting On

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5a. True or false?

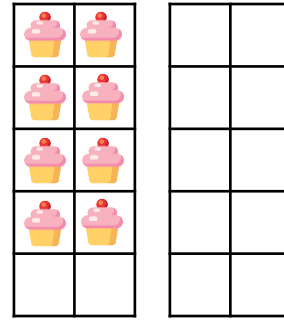


There are 9 fish in a bowl.  
6 more are added.  
Now there are 13 fish.



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5b. True or false?



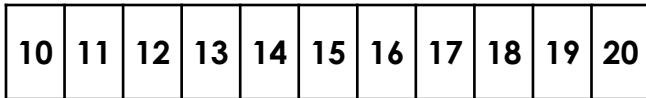
There are 8 buns in a box.  
4 more are added.  
Now there are 13 buns.



VF

6a. Use the number line to complete the number sentence.

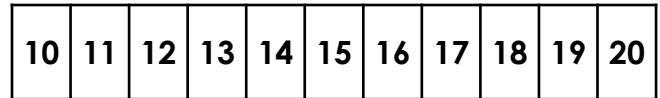
$$15 + 4 = \square$$



VF

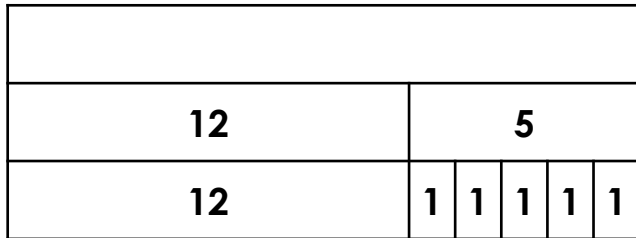
6b. Use the number line to complete the number sentence.

$$13 + 4 = \square$$



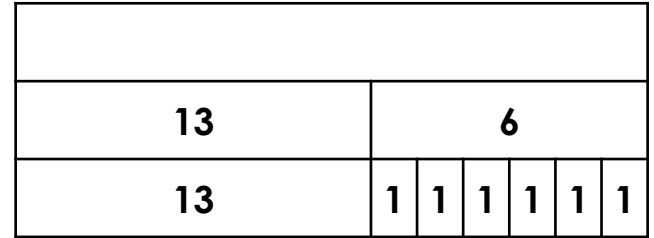
VF

7a. Complete the bar model by counting on.



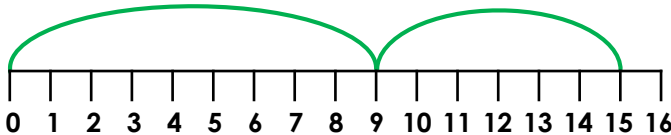
VF

7b. Complete the bar model by counting on.



VF

8a. Circle the number sentence shown on the number line and write the answer.



$$6 + 9 = \square$$

$$10 + 5 = \square$$

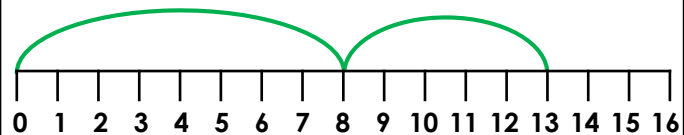
$$9 + 5 = \square$$

$$9 + 6 = \square$$



VF

8b. Circle the number sentence shown on the number line and write the answer.



$$8 + 8 = \square$$

$$7 + 5 = \square$$

$$8 + 5 = \square$$

$$0 + 8 = \square$$



VF

## Add by Counting On

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9a. True or false?

There are seven apples on a tree.

Six more apples grow.

Now there are thirteen apples on the tree.



VF

9b. True or false?

There are eight frogs in a pond.

Five more frogs jump in.

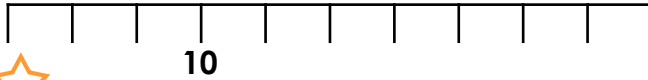
Now there are fifteen frogs in the pond.



VF

10a. Use the number line to complete the number sentence.

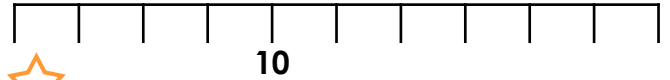
$$8 + 7 = \square$$



VF

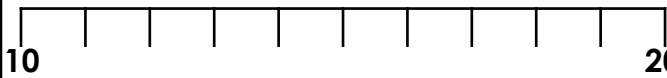
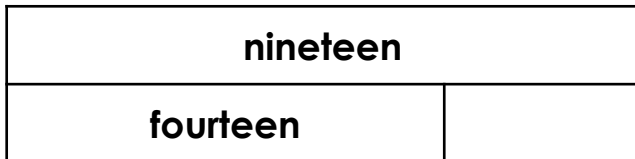
10b. Use the number line to complete the number sentence.

$$7 + 5 = \square$$



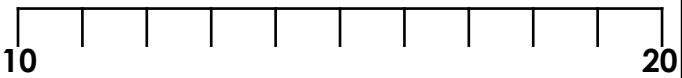
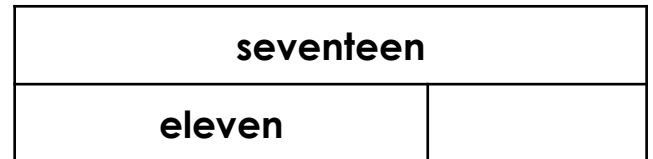
VF

11a. Use the number line to complete the bar model.



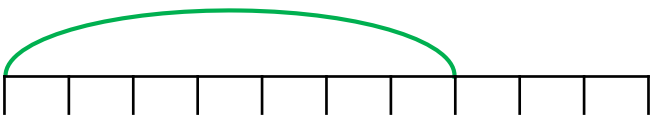
VF

11b. Use the number line to complete the bar model.



VF

12a. Circle the number sentences that could be shown using this number line and write the answers.



$$11 + 7 = \square$$

$$10 + 6 = \square$$

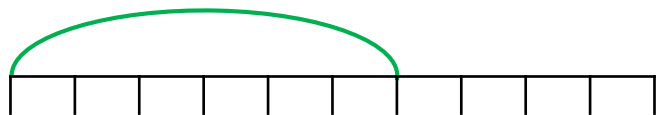
$$13 + 7 = \square$$

$$8 + \square = 15$$



VF

12b. Circle the number sentences that could be shown using this number line and write the answers.



$$12 + 7 = \square$$

$$11 + 6 = \square$$

$$9 + \square = 15$$

$$8 + \square = 16$$



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Developing

- 1a. **False (12)**  
2a. **9**  
3a. **18 written at top of bar model.**  
4a. **9 + 7 circled. Answer: 16**

Expected

- 5a. **False (15)**  
6a. **19**  
7a. **17 written at top of bar model.**  
8a. **9 + 6 circled. Answer: 15**

Greater Depth

- 9a. **True**  
10a. **15**  
11a. **Five or 5 written in bar model.**  
12a. **11 + 7 = 18, 13 + 7 = 20, 8 + 7 = 15**

Varied Fluency  
Add by Counting On

Developing

- 1b. **True**  
2b. **8**  
3b. **14 written at top of bar model.**  
4b. **8 + 5 circled. Answer: 13**

Expected

- 5b. **False (12)**  
6b. **17**  
7b. **19 written at top of bar model.**  
8b. **8 + 5 circled. Answer: 13**

Greater Depth

- 9b. **False (13)**  
10b. **12**  
11b. **Six or 6 written in bar model.**  
12b. **11 + 6 = 17, 9 + 6 = 15**