Homework/Extension
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 = – 9

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Join matching pairs in order to add two 1-digit numbers or a 1-digit and a 2-digit number by counting on. Numerals only. Pictorial support (number pieces).
Expected Join matching pairs in order to add two 1-digit numbers or a 1-digit and a 2-digit number by counting on. Numerals only. Pictorial support (Base 10).
Greater Depth Join matching pairs in order to add two 1-digit numbers or a 1-digit and a 2-digit number by counting on. Numerals and words. Number lines, with some unmarked divisions.

Questions 2, 5 and 8 (Varied Fluency)
Developing Circle the incorrect calculation. Adding two 1-digit numbers or a 1-digit and a 2-digit number by counting on. Numerals only. Pictorial support.
Expected Circle the incorrect calculation. Adding two 1-digit numbers or a 1-digit and a 2-digit number by counting on. Numerals only. Pictorial support, including bar models and number lines.
Greater Depth Circle the incorrect calculation. Adding two 1-digit numbers or a 1-digit and a 2-digit number by counting on. Numerals and words. Number lines, with some unmarked divisions.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Work out scores by adding two 1-digit numbers or a 1-digit and a 2-digit number by counting on and explain which score is the highest. Numerals only. Pictorial support (number tracks).
Expected Work out scores by adding two 1-digit numbers or a 1-digit and a 2-digit number by counting on and explain which score is the highest. Numerals only. Pictorial support (number line).
Greater Depth Work out scores by adding two 1-digit numbers or a 1-digit and a 2-digit number by counting on and explain which score is the highest. Number words. Pictorial support (number line with unmarked divisions).

More Year 1 Addition and Subtraction resources.

Did you like this resource? Don't forget to review it on our website.

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Add by Counting On

1. Match each image to a calculation and complete by counting on.

A. [10-frame full] + [3 dots]

B. [6 dots] + [5 dots]

C. [7 dots] + [5 dots]

D.   9 + 6 = ☐

E.   10 + 3 = ☐

F.   7 + 5 = ☐

**2. Circle the one that is incorrect.**

A.

17	
12	●●●●●

B.

[10-frame full] + [5 dots] = 15

C.

[7 dots] + [6 dots] = 16

D.

16	
13	●●●

3. Tom and Alex are playing a board game.

Tom: I was on 12. I have rolled a 5.

Alex: I was on 9. I have rolled a 6.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
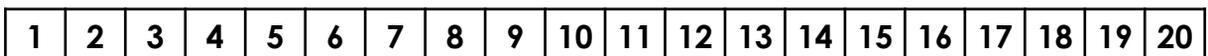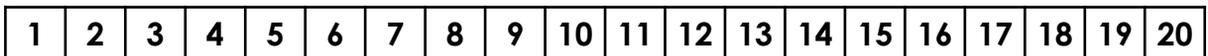
Use the number lines to work out who is in the lead. Explain your answer.

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Homework/Extension – Add by Counting On – Year 1 Developing

Add by Counting On

4. Match each image to a calculation and complete by counting on.
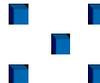
A.

B.

C.

D. 13 + 5 = ☐

E. 12 + 4 = ☐

F. 11 + 6 = ☐

5. Circle the one that is incorrect.

A.

18	
11	7

B.

+ 5

10 11 12 13 14 15 16 17 18 19 20

C.

+ 5

10 11 12 13 14 15 16 17 18 19 20

D.

17	
14	3
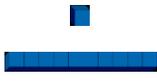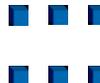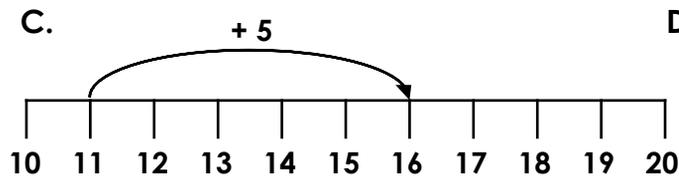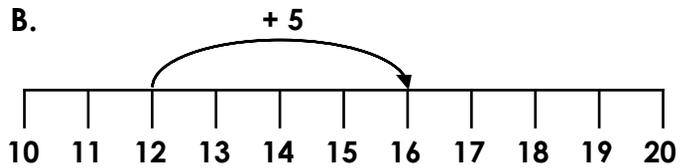
6. Beth and Sam are playing a board game.

Beth: I was on 9. I have rolled a 5.

Sam: I was on 7. I have rolled a 6.
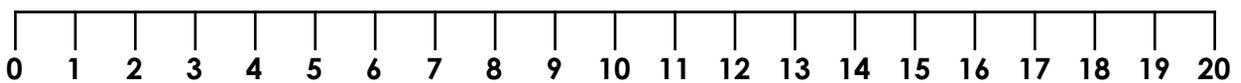
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Use the number line to work out who is in the lead. Explain your answer.

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Homework/Extension – Add by Counting On – Year 1 Expected

Add by Counting On

7. Count on to find the totals then join the matching pairs.

A.

B. + 6

C.
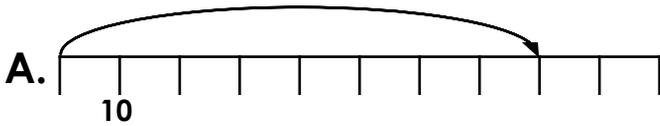
D. 12 + 6 = ☐
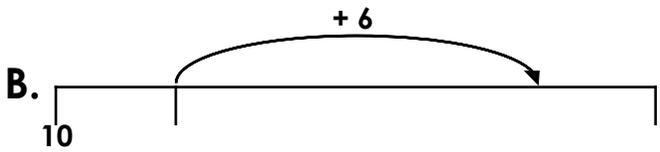
E. 15 + 4 = ☐
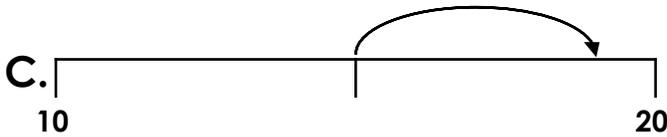
F. nine + eight = ☐

8. Circle the one that is incorrect.

A.

| twelve count on seven = nineteen |

B. + 6

C.
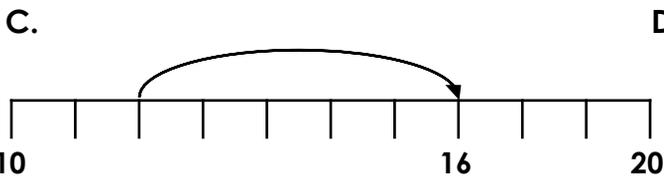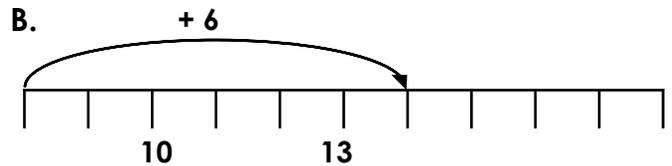
D.

| eleven + seven = eighteen |

9. Charlie and Tariq are playing a board game.

Charlie: I was on nine. I have rolled a five.

Tariq: I was on eight. I have rolled a six.
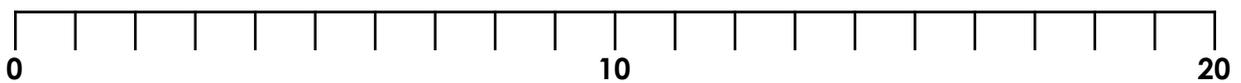
Use the number line to work out who is in the lead. Explain your answer.

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Homework/Extension – Add by Counting On – Year 1 Greater Depth

Developing

1. A and E, 10 + 3 = 13, B and F, 7 + 5 = 12, C and D, 9 + 6 = 15
2. C
3. 12 count on 5 is 17 and 9 count on 6 is 15 so Tom is in the lead.

Expected

4. A and E, 12 + 4 = 16, B and D, 13 + 5 = 18, C and F, 11 + 6 = 17.
5. B
6. 9 count on 5 is 14 and 7 count on 6 is 13 so Beth is in the lead.

Greater Depth

7. A and F, nine + eight = 17, B and D, 12 + 6 = 18, C and E, 15 + 4 = 19
8. C
9. 9 count on 5 is 14 and 8 count on 6 is 14 so Charlie and Tariq are joint leaders.