

# Reasoning and Problem Solving

## Step 7: 10 More and 10 Less

### National Curriculum Objectives:

Mathematics Year 2: (2C1) [Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100](#)

### Differentiation:

Questions 1, 4 and 7 (Reasoning)

**Developing** Explain if a statement is correct. Statement involves finding 10 more/10 less than a 2-digit number up to 50. Tens are underlined. Pictorial support provided.

**Expected** Explain if a statement is correct. Statement involves finding 10 more/10 less than a 2-digit number up to 100. No pictorial support provided.

**Greater Depth** Explain if a statement is correct. Statement involves finding 10 more/10 less than a 2-digit number up to 100. Numbers written as words. No pictorial support provided.

Questions 2, 5 and 8 (Reasoning)

**Developing** Explain if a number sequence is correct. Sequence involves finding 10 more/10 less than 2-digit numbers up to 50. Tens are underlined. Pictorial support provided.

**Expected** Explain if a number sequence is correct. Sequence involves finding 10 more/10 less than 2-digit numbers up to 100. Pictorial support provided.

**Greater Depth** Explain if a number sequence is correct. Sequence involves finding 10 more/10 less than 2-digit numbers up to 100. No pictorial support provided.

Questions 3, 6 and 9 (Problem Solving)

**Developing** Match 2 statements to given numbers to find the odd one out. Statements involve finding 10 more/10 less than a 2-digit number up to 50. Tens are underlined. Pictorial support provided.

**Expected** Match 3 statements to given numbers to find the odd one out. Statements involve finding 10 more/10 less than a 2-digit number up to 100. No pictorial support provided.

**Greater Depth** Match 3 statements to given numbers to find the odd one out. Statements involve finding 10 more/10 less than a 2-digit number up to 100. Numbers written as numerals and words. No pictorial support provided.

More [Year 2 Addition and Subtraction](#) resources.

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

# 10 More and 10 Less

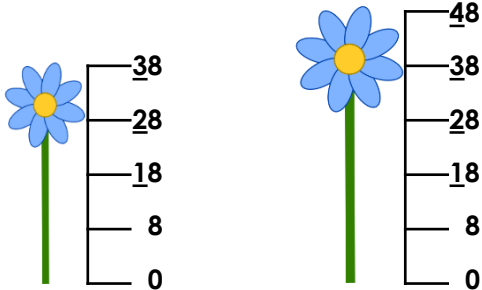
# 10 More and 10 Less

1a. Is Evie correct? Explain your answer.



Evie

My flower is 38cm tall. If it grows 10cm more, it will be 48cm.



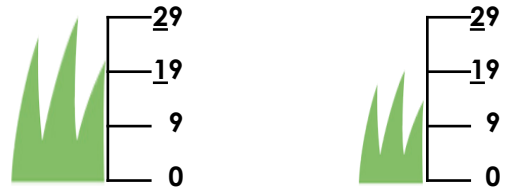
R

1b. Is Adi correct? Explain your answer.



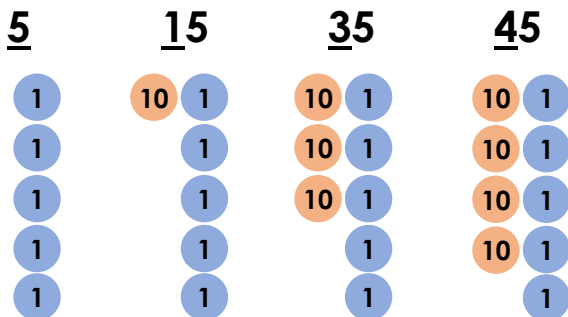
Adi

The grass is 29cm tall. If it is cut 10cm shorter, it will be 9cm.



R

2a. Ella has created a sequence of numbers.

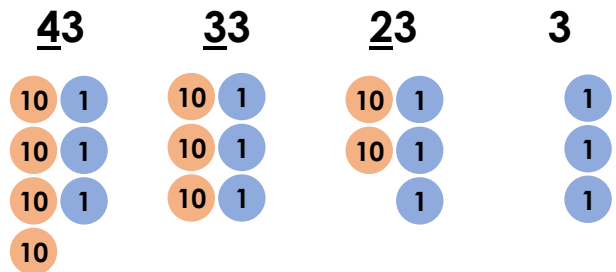


Is she correct? Explain your answer.



R

2b. Hugo has created a sequence of numbers.



Is he correct? Explain your answer.

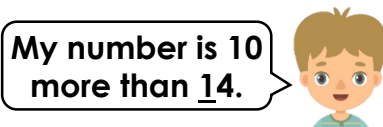


R

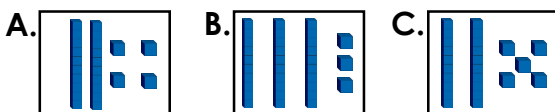
3a. Each child has chosen a number. Which number has not been chosen?



My number is 10 less than 43.



My number is 10 more than 14.

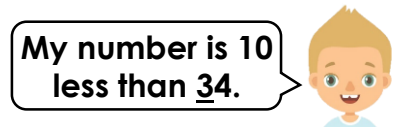


PS

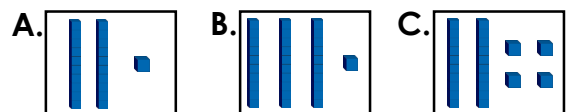
3b. Each child has chosen a number. Which number has not been chosen?



My number is 10 more than 21.



My number is 10 less than 34.



PS

## 10 More and 10 Less

## 10 More and 10 Less

4a. Is Alice correct? Explain your answer.



Alice

My hair is 48cm long. If I have 10cm cut off, it will be 38cm long.

4b. Is Solomon correct? Explain your answer.



Solomon

My model tower is 52cm tall. If I make it 10cm taller, it will be 63cm tall.



R



R

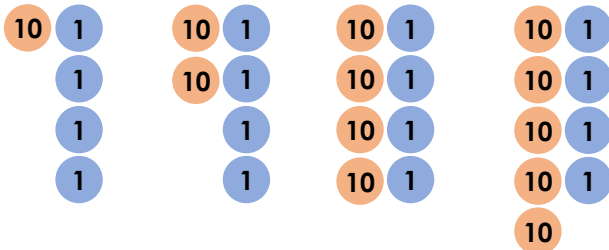
5a. Freya has created a sequence of numbers.

14

24

44

54



Is she correct? Explain your answer.



R

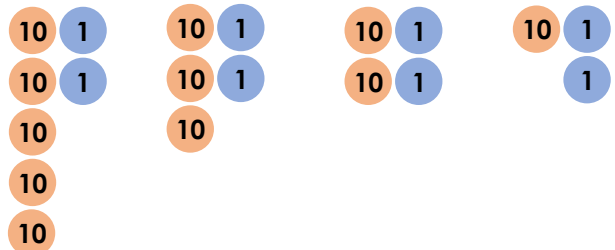
5b. Jacob has created a sequence of numbers.

52

32

22

12



Is he correct? Explain your answer.



R

6a. Each child has chosen a number. Which number has not been chosen?



My number is 10 less than 54.

My number is 10 more than 63.



My number is 10 less than 23.



13

44

57

73

PS

6b. Each child has chosen a number. Which number has not been chosen?



My number is 10 more than 76.

My number is 10 less than 22.



My number is 10 more than 57.



12

86

21

67

PS

## 10 More and 10 Less

## 10 More and 10 Less

7a. Is Matt correct? Explain your answer.



Matt

My pet snake is forty-one centimetres long. If it grows ten centimetres more, it will be fifty-one centimetres long.



R

7b. Is Lucy correct? Explain your answer.



Lucy

Our hedge is ninety-nine centimetres tall. If we cut ten centimetres off the top, it will be ninety-eight centimetres tall.



R

8a. Alicia has created a sequence of numbers.

33	43	63	73	93
----	----	----	----	----

Is she correct? Explain your answer.



R

8b. Oliver has created a sequence of numbers.

92	82	62	42	32
----	----	----	----	----

Is he correct? Explain your answer.



R

9a. Each child has chosen a number. Which number has not been chosen?



My number is ten less than twenty-eight.

My number is ten more than sixty-three.



My number is ten less than ninety-one.

18	53	81	73
----	----	----	----



PS

9b. Each child has chosen a number. Which number has not been chosen?



My number is ten more than seventy-six.

My number is ten less than twenty-two.



My number is ten less than fifty-seven.

12	86	47	67
----	----	----	----



PS

## Reasoning and Problem Solving 10 More and 10 Less

### Developing

- 1a. Evie is correct. 10 more than 38 is 48.  
2a. Ella is not correct. 10 more than 15 is 25. The sequence should be: 5, 15, 25, 35, 45.  
3a. C. 25

### Expected

- 4a. Alice is correct. 10 less than 48 is 38.  
5a. Freya is not correct. 10 more than 24 is 34. The sequence should be: 14, 24, 34, 44, 54.  
6a. 57

### Greater Depth

- 7a. Matt is correct. 10 more than 41 is 51.  
8a. Alicia is not correct. 10 more than 43 is 53 and 10 more than 73 is 83.  
9a. 53

## Reasoning and Problem Solving 10 More and 10 Less

### Developing

- 1b. Adi is not correct. 10 less than 29 is 19.  
2b. Hugo is not correct. 10 less than 23 is 13. The sequence should be: 43, 33, 23, 13, 3.  
3b. A. 21

### Expected

- 4b. Solomon is not correct. 10 more than 52 is 62.  
5b. Jacob is not correct. 10 less than 52 is 42. The sequence should be: 52, 42, 32, 22, 12.  
6b. 21

### Greater Depth

- 7b. Lucy is not correct. 10 less than 98 is 88.  
8b. Oliver is not correct. 10 less than 82 is 72 and 10 less than 62 is 52.  
9b. 67