

## KS1 Maths Quiz - Year 1 Numbers - Number Patterns (Extending) (Questions)

*This quiz addresses the requirements of the National Curriculum KS1 Maths and Numeracy for children aged 5 and 6 in year 1. Specifically this quiz is aimed at the section dealing with recognising and extending number patterns.*

Recognising number patterns is taught very early on in KS1. Once children are familiar with the idea that numbers in a sequence do not always increase or decrease by one, they will be asked to extend sequences, or patterns, which may go up or down in twos, fives or tens.

This quiz will help your child to recognise a number pattern and also to be able to extend it.

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|---|---|
| <p><b>1. Which number comes next in this sequence:<br/>90, 80, 70, 60, 50, 40</b></p> <p><input type="checkbox"/> 35 - The numbers are going down in fives</p> <p><input type="checkbox"/> 45 - The numbers are going up in fives</p> <p><input type="checkbox"/> 39 - The numbers are going down in ones</p> <p><input type="checkbox"/> 30 - The numbers are going down in tens</p> | <p><b>2. In my sequence, I start at 0, and count up in fives. Which number would be in my sequence?</b></p> <p><input type="checkbox"/> 15</p> <p><input type="checkbox"/> 12</p> <p><input type="checkbox"/> 13</p> <p><input type="checkbox"/> 14</p> |
| <p><b>3. What is the next number in this sequence:<br/>40, 50, 60, 70</b></p> <p><input type="checkbox"/> 71</p> <p><input type="checkbox"/> 69</p> <p><input type="checkbox"/> 80</p> <p><input type="checkbox"/> 100</p>  | <p><b>4. What is the next number in this sequence:<br/>15, 20, 25, 30</b></p> <p><input type="checkbox"/> 53</p> <p><input type="checkbox"/> 32</p> <p><input type="checkbox"/> 31</p> <p><input type="checkbox"/> 35</p>                               |
| <p><b>5. Starting at 2, I colour in all the even numbers in order on my hundred square. When I get to 16, which number will I colour in next?</b></p> <p><input type="checkbox"/> 15</p> <p><input type="checkbox"/> 17</p> <p><input type="checkbox"/> 18</p> <p><input type="checkbox"/> 19</p>   | <p><b>6. What is the next number in this sequence?<br/>28, 26, 24, 22</b></p> <p><input type="checkbox"/> 20</p> <p><input type="checkbox"/> 21</p> <p><input type="checkbox"/> 23</p> <p><input type="checkbox"/> 2</p>                                |
| <p><b>7. What is the next number in this sequence:<br/>22, 24, 26, 28</b></p> <p><input type="checkbox"/> 32</p> <p><input type="checkbox"/> 27</p> <p><input type="checkbox"/> 29</p> <p><input type="checkbox"/> 30</p>   | <p><b>8. Which number does not belong in the pattern?<br/>23, 25, 26, 27, 29, 31</b></p> <p><input type="checkbox"/> 23</p> <p><input type="checkbox"/> 27</p> <p><input type="checkbox"/> 26</p> <p><input type="checkbox"/> 29</p>                    |
| <p><b>9. Which number comes next:<br/>35, 40, 45, 50, 55</b></p> <p><input type="checkbox"/> 60 - The numbers are going up in fives</p> <p><input type="checkbox"/> 50 - The numbers are going down in fives</p> <p><input type="checkbox"/> 57 - The numbers are all odd</p> <p><input type="checkbox"/> 56 - The numbers are all even</p>   | <p><b>10. What is the next number in this sequence:<br/>1, 3, 5, 7</b></p> <p><input type="checkbox"/> 8</p> <p><input type="checkbox"/> 9</p> <p><input type="checkbox"/> 6</p> <p><input type="checkbox"/> 10</p>                                     |

## KS1 Maths Quiz - Year 1 Numbers - Number Patterns (Extending) (Answers)

1. Which number comes next in this sequence:  
90, 80, 70, 60, 50, 40

- 35 - The numbers are going down in fives  
 45 - The numbers are going up in fives  
 39 - The numbers are going down in ones  
 30 - The numbers are going down in tens

Each time, the numbers decrease by ten

2. In my sequence, I start at 0, and count up in fives.  
Which number would be in my sequence?

- 15  
 12  
 13  
 14

Starting at '0', the sequence would be 0, 5, 10, 15, 20, 25...

3. What is the next number in this sequence:  
40, 50, 60, 70

- 71  
 69  
 80  
 100

The numbers are increasing by ten each time

4. What is the next number in this sequence:  
15, 20, 25, 30

- 53  
 32  
 31  
 35

The numbers are increasing by five each time

5. Starting at 2, I colour in all the even numbers in order  
on my hundred square. When I get to 16, which  
number will I colour in next?

- 15  
 17  
 18  
 19

18 is the next even number after 16

6. What is the next number in this sequence?  
28, 26, 24, 22

- 20  
 21  
 23  
 2

The sequence is decreasing by two each time

7. What is the next number in this sequence:  
22, 24, 26, 28

- 32  
 27  
 29  
 30

The numbers are going up in twos each time

8. Which number does not belong in the pattern?  
23, 25, 26, 27, 29, 31

- 23  
 27  
 26  
 29

This is the only even number. The others are odd and increasing by two each time

9. Which number comes next:  
35, 40, 45, 50, 55

- 60 - The numbers are going up in fives  
 50 - The numbers are going down in fives  
 57 - The numbers are all odd  
 56 - The numbers are all even

Each number is five more than the previous one

10. What is the next number in this sequence:  
1, 3, 5, 7

- 8  
 9  
 6  
 10

The numbers are going up in twos, and are all odd