

KS1 Maths Quiz - Year 2 Fractions - Counting Up to 10 (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Maths and Numeracy for children aged 6 and 7 in year 2. Specifically this quiz is aimed at the section dealing with counting in fractions up to 10.

Being able to count up in fractions means understanding the value of a fraction and recognising how many of each makes a whole. For example, when counting up in quarters, it will take four steps to reach one whole and 40 to reach 10. Children in Year 2 are expected to be able to count up to ten in fractions and this quiz will help them.

<p>1. Which two numbers come next in this sequence? $4\frac{1}{2}$, 5, $5\frac{1}{2}$, 6</p> <p><input type="checkbox"/> $5\frac{2}{2}$, 6</p> <p><input type="checkbox"/> $6\frac{1}{2}$, 7</p> <p><input type="checkbox"/> 6,</p> <p><input type="checkbox"/> $6\frac{1}{4}$, 7</p>	<p>2. What is wrong with this sequence: $3\frac{1}{4}$, $3\frac{2}{4}$, $3\frac{1}{2}$, $3\frac{3}{4}$</p> <p><input type="checkbox"/> $3\frac{3}{4}$ is too large for the sequence</p> <p><input type="checkbox"/> $3\frac{1}{4}$ is in the wrong place</p> <p><input type="checkbox"/> $3\frac{2}{4}$ is the same as $3\frac{1}{2}$</p> <p><input type="checkbox"/> There aren't enough numbers in the sequence</p>
<p>3. What is happening in this sequence: $2\frac{1}{4}$, $2\frac{2}{4}$, $2\frac{3}{4}$, 3</p> <p><input type="checkbox"/> The numbers increase by $\frac{2}{4}$ each time</p> <p><input type="checkbox"/> The numbers increase by $\frac{1}{2}$ each time</p> <p><input type="checkbox"/> The numbers increase by $\frac{1}{3}$ each time</p> <p><input type="checkbox"/> The numbers increase by $\frac{1}{4}$ each time</p>	<p>4. What comes next: 1, $1\frac{1}{2}$, 2, $2\frac{1}{2}$</p> <p><input type="checkbox"/> 2</p> <p><input type="checkbox"/> $3\frac{1}{2}$</p> <p><input type="checkbox"/> 3</p> <p><input type="checkbox"/> $2\frac{2}{2}$</p>
<p>5. Which two numbers are next in this sequence? $2\frac{1}{4}$, $2\frac{1}{2}$, $2\frac{3}{4}$</p> <p><input type="checkbox"/> 3, $3\frac{1}{2}$</p> <p><input type="checkbox"/> $3\frac{3}{4}$, 4</p> <p><input type="checkbox"/> $2\frac{4}{4}$, 3</p> <p><input type="checkbox"/> 3, $3\frac{1}{4}$</p>	<p>6. What are the next three numbers in this sequence? 7, $7\frac{1}{4}$, $7\frac{1}{2}$</p> <p><input type="checkbox"/> $7\frac{3}{4}$, $7\frac{4}{4}$, $7\frac{5}{4}$</p> <p><input type="checkbox"/> $7\frac{3}{4}$, 8, $\frac{1}{4}$</p> <p><input type="checkbox"/> 7, $\frac{1}{2}$, 9</p> <p><input type="checkbox"/> $7\frac{4}{4}$, 8,</p>
<p>7. Which three numbers come next? $3\frac{1}{2}$, $3\frac{3}{4}$, 4</p> <p><input type="checkbox"/> 4,</p> <p><input type="checkbox"/> $4\frac{3}{4}$, 5, $\frac{3}{4}$</p> <p><input type="checkbox"/> $4\frac{2}{4}$, $4\frac{3}{4}$, $4\frac{4}{4}$</p> <p><input type="checkbox"/> $4\frac{1}{4}$, $4\frac{1}{2}$, $4\frac{3}{4}$</p>	<p>8. Which two numbers are missing: 3, ____, $3\frac{1}{2}$, $3\frac{3}{4}$, 4, ____</p> <p><input type="checkbox"/> $3\frac{2}{4}$ and $4\frac{1}{2}$</p> <p><input type="checkbox"/> $3\frac{1}{4}$ and 4</p> <p><input type="checkbox"/> $4\frac{1}{4}$ and $5\frac{1}{4}$</p> <p><input type="checkbox"/> $3\frac{1}{4}$ and $4\frac{1}{4}$</p>
<p>9. Which two numbers are missing: $5\frac{1}{2}$, ____, $6\frac{1}{2}$, ____</p> <p><input type="checkbox"/> 6 and 7</p> <p><input type="checkbox"/> 5 and 6</p> <p><input type="checkbox"/> 7 and 8</p> <p><input type="checkbox"/> 6 and 9</p>	<p>10. What comes next: $\frac{2}{4}$, $\frac{3}{4}$, 1</p> <p><input type="checkbox"/> $\frac{4}{4}$</p> <p><input type="checkbox"/> $1\frac{1}{4}$</p> <p><input type="checkbox"/> $2\frac{1}{4}$</p> <p><input type="checkbox"/> $1\frac{3}{4}$</p>

KS1 Maths Quiz - Year 2 Fractions - Counting Up to 10 (Answers)

1. Which two numbers come next in this sequence?

$4\frac{1}{2}$, 5, $5\frac{1}{2}$, 6

$5\frac{2}{2}$, 6

$6\frac{1}{2}$, 7

6, 7

$6\frac{1}{4}$, 7

The sequence is going up by $\frac{1}{2}$ each time

2. What is wrong with this sequence:

$3\frac{1}{4}$, $3\frac{2}{4}$, $3\frac{1}{2}$, $3\frac{3}{4}$

$3\frac{3}{4}$ is too large for the sequence

$3\frac{1}{4}$ is in the wrong place

$3\frac{2}{4}$ is the same as $3\frac{1}{2}$

There aren't enough numbers in the sequence

$3\frac{2}{4}$ has exactly the same value as $3\frac{1}{2}$ so shouldn't be there!

3. What is happening in this sequence:

$2\frac{1}{4}$, $2\frac{2}{4}$, $2\frac{3}{4}$, 3

The numbers increase by $\frac{2}{4}$ each time

The numbers increase by $\frac{1}{2}$ each time

The numbers increase by $\frac{1}{3}$ each time

The numbers increase by $\frac{1}{4}$ each time

Each number is $\frac{1}{4}$ more than the one before it

4. What comes next: 1, $1\frac{1}{2}$, 2, $2\frac{1}{2}$

2

$3\frac{1}{2}$

3

$2\frac{2}{2}$

Adding another half to $2\frac{1}{2}$ results in 3

5. Which two numbers are next in this sequence?

$2\frac{1}{4}$, $2\frac{1}{2}$, $2\frac{3}{4}$

3, $3\frac{1}{2}$

$3\frac{3}{4}$, 4

$2\frac{4}{4}$, 3

3, $3\frac{1}{4}$

Adding a quarter to $2\frac{3}{4}$ makes 3, and then adding another quarter makes $3\frac{1}{4}$

6. What are the next three numbers in this sequence?

7, $7\frac{1}{4}$, $7\frac{1}{2}$

$7\frac{3}{4}$, $7\frac{4}{4}$, $7\frac{5}{4}$

$7\frac{3}{4}$, 8, $8\frac{1}{4}$

7, $8\frac{1}{2}$, 9

$7\frac{4}{4}$, 8, 9

The sequence is going up by a quarter each time. $7\frac{1}{2}$ is the same as $7\frac{2}{4}$

7. Which three numbers come next?

$3\frac{1}{2}$, $3\frac{3}{4}$, 4

4, 5, 6

$4\frac{3}{4}$, 5, $5\frac{3}{4}$

$4\frac{2}{4}$, $4\frac{3}{4}$, $4\frac{4}{4}$

$4\frac{1}{4}$, $4\frac{1}{2}$, $4\frac{3}{4}$

The numbers are one quarter more each time

8. Which two numbers are missing:

3, ____, $3\frac{1}{2}$, $3\frac{3}{4}$, 4, ____

$3\frac{2}{4}$ and $4\frac{1}{2}$

$3\frac{1}{4}$ and 4

$4\frac{1}{4}$ and $5\frac{1}{4}$

$3\frac{1}{4}$ and $4\frac{1}{4}$

Each number is one quarter more than the one before it

9. Which two numbers are missing:

$5\frac{1}{2}$, ____, $6\frac{1}{2}$, ____

6 and 7

5 and 6

7 and 8

6 and 9

The sequence is going up in halves

10. What comes next: $\frac{2}{4}$, $\frac{3}{4}$, 1

$\frac{4}{4}$

$1\frac{1}{4}$

$2\frac{1}{4}$

$1\frac{3}{4}$

Counting up in quarters means that after 1, it will be $1 + \frac{1}{4}$ more