

KS1 Maths Quiz - Year 2 Fractions - Equivalent Fractions (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 recognising equivalent fractions.

Recognising, writing and naming fractions are all important steps in Year 2. Equivalent fractions means two or more fractions which have the same value. For example, two quarters and one half are both the same, as are two halves, four quarters and 1 whole.

It is important for Year 2 children to be able to recognise equivalent fractions and this quiz will help them to do so.

1. Which is less: $\frac{1}{4}$ of 12 or $\frac{3}{4}$ of 16?

- $\frac{3}{4}$ of 16
- $\frac{2}{4}$ of 16
- $\frac{1}{4}$ of 12
- $\frac{1}{4}$ of 16

2. Which is more: $\frac{1}{3}$ of 12 or $\frac{1}{2}$ of 12?

- They are the same
- $\frac{1}{3}$ of 12
- $\frac{1}{4}$ of 12
- $\frac{1}{2}$ of 12

3. Which is more: $\frac{1}{2}$ of 6 or $\frac{3}{4}$ of 8?

- $\frac{3}{4}$ of 8
- $\frac{1}{2}$ of 6
- They are the same
- $\frac{1}{3}$ of 6

4. Jim and Harry both have 12 jelly beans. Jim eats $\frac{1}{4}$ of his and Harry eats $\frac{1}{3}$ of his. Who ate more jelly beans?

- Jim
- Harry
- They ate the same
- Neither

5. Which pair of fractions have the same value?

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

6. Jane is given £24 for her birthday. She spends half the money on toys, a quarter of the money on sweets and gives a quarter to charity. How much money does Jane have left?

- £2
- £0
- £1
- £4

7. If I cut a cake into four equal slices and eat two of them, how much have I eaten?

- A third of the cake
- A quarter of the cake
- Half of the cake
- Three quarters of the cake

8. Kim ate $\frac{1}{4}$ of a pizza and Fran also ate $\frac{1}{4}$. What fraction of the pizza remains?

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

9. Which fraction is the same as $\frac{1}{2}$?

- $\frac{3}{4}$
- $\frac{1}{4}$
- $\frac{2}{5}$
- $\frac{2}{4}$

10. Which is less: $\frac{1}{4}$ of 12 or $\frac{1}{3}$ of 9?

- They both give the same answer
- $\frac{1}{3}$ of 9
- $\frac{1}{4}$ of 12
- $\frac{1}{3}$ of 12

KS1 Maths Quiz - Year 2 Fractions - Equivalent Fractions (Answers)

1. Which is less: $\frac{1}{4}$ of 12 or $\frac{3}{4}$ of 16?

- $\frac{3}{4}$ of 16
- $\frac{2}{4}$ of 16
- $\frac{1}{4}$ of 12
- $\frac{1}{4}$ of 16

$\frac{3}{4}$ of 16 is 12, $\frac{1}{4}$ of 12 is only 3

2. Which is more: $\frac{1}{3}$ of 12 or $\frac{1}{2}$ of 12?

- They are the same
- $\frac{1}{3}$ of 12
- $\frac{1}{4}$ of 12
- $\frac{1}{2}$ of 12

$\frac{1}{2}$ of 12 is 6 and $\frac{1}{3}$ of 12 is 4

3. Which is more: $\frac{1}{2}$ of 6 or $\frac{3}{4}$ of 8?

- $\frac{3}{4}$ of 8
- $\frac{1}{2}$ of 6
- They are the same
- $\frac{1}{3}$ of 6

$\frac{3}{4}$ of 8 is 6, and $\frac{1}{2}$ of 6 is 3

4. Jim and Harry both have 12 jelly beans. Jim eats $\frac{1}{4}$ of his and Harry eats $\frac{1}{3}$ of his. Who ate more jelly beans?

- Jim
- Harry
- They ate the same
- Neither

$\frac{1}{4}$ of 12 is 3 and $\frac{1}{3}$ of 12 is 4, so Harry ate one more than Jim

5. Which pair of fractions have the same value?

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

Whenever the numerator and denominator are the same number, the fraction is equal to one whole

6. Jane is given £24 for her birthday. She spends half the money on toys, a quarter of the money on sweets and gives a quarter to charity. How much money does Jane have left?

- £2
- £0
- £1
- £4

A half added to a quarter and another quarter equals everything!

7. If I cut a cake into four equal slices and eat two of them, how much have I eaten?

- A third of the cake
- A quarter of the cake
- Half of the cake
- Three quarters of the cake

Two quarters out of four is the same as one half

8. Kim ate $\frac{1}{4}$ of a pizza and Fran also ate $\frac{1}{4}$. What fraction of the pizza remains?

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

There are four quarters in a whole. If two are eaten, two remain and this is the same as a half

9. Which fraction is the same as $\frac{1}{2}$?

- $\frac{3}{4}$
- $\frac{1}{4}$
- $\frac{2}{5}$
- $\frac{2}{4}$

There are four quarters in a whole, so two of them would be the same as a half

10. Which is less: $\frac{1}{4}$ of 12 or $\frac{1}{3}$ of 9?

- They both give the same answer
- $\frac{1}{3}$ of 9
- $\frac{1}{4}$ of 12
- $\frac{1}{3}$ of 12

$\frac{1}{3}$ of 9 is 3, and $\frac{1}{4}$ of 12 is also 3