

# Year 5 Equivalent Fractions and Mixed Numbers: check-up and SATs-style questions: answers

Year 5 - Equivalent Fractions and Mixed Numbers - Test yourself

**Answers.** Final answers to the worksheet questions. Full step-by-step solutions for every question are free at [websink.site/ks2-sats/maths/year-5/ch06-fractions/check-up-and-sats-style-questions/](https://websink.site/ks2-sats/maths/year-5/ch06-fractions/check-up-and-sats-style-questions/)

## Exercise 6Z Check-up (non-calculator) Non-calculator

- 1 Write the missing number.  $\frac{3}{4} = \frac{?}{20}$

**Answer:** 15

- 2 Write  $\frac{18}{30}$  in its simplest form.

**Answer:**  $\frac{3}{5}$

- 3 Write < or > in the box.  $\frac{7}{10}$  [ ? ]  $\frac{3}{5}$

**Answer:**  $\frac{7}{10} > \frac{3}{5}$

- 4 Write these fractions in order, smallest first.  $\frac{2}{3}$   $\frac{7}{12}$   $\frac{5}{6}$

**Answer:**  $\frac{7}{12}$ ,  $\frac{2}{3}$ ,  $\frac{5}{6}$

- 5 Write  $\frac{23}{6}$  as a mixed number.

**Answer:**  $3\frac{5}{6}$

- 6 Write  $4\frac{3}{8}$  as an improper fraction.

**Answer:**  $\frac{35}{8}$

- 7 Work out  $\frac{7}{10} + \frac{4}{5}$ . Write your answer as a mixed number.

**Answer:**  $1\frac{1}{2}$

- 8 Work out  $3\frac{1}{4} - 1\frac{3}{4}$ .

**Answer:**  $1\frac{1}{2}$

- 9 Work out  $5 \times \frac{2}{3}$ . Write your answer as a mixed number.

**Answer:**  $3\frac{1}{3}$

- 10 A film lasts 90 minutes.  $\frac{2}{3}$  of the film has been shown. How many minutes of the film have been shown?

**Answer:** 60 minutes

### Exercise 6X SATs-style questions Non-calculator

- 1 Which fraction is equivalent to  $\frac{3}{5}$ ? Tick one box. A  $\frac{6}{10}$  B  $\frac{5}{8}$  C  $\frac{3}{10}$  D  $\frac{6}{5}$  [1 mark]

**Answer:** A ( $\frac{6}{10}$ )

- 2 Write the missing number.  $\frac{5}{6} = \frac{?}{18}$  [1 mark]

**Answer:** 15

- 3 Write  $\frac{17}{5}$  as a mixed number. [1 mark]

**Answer:**  $3\frac{2}{5}$

- 4 Write these fractions in order, starting with the smallest.  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{1}{2}$   $\frac{9}{16}$  [2 marks]

**Answer:**  $\frac{1}{2}$ ,  $\frac{9}{16}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$

- 5 Work out  $3\frac{5}{6} + 1\frac{1}{3}$ . Show your working. [2 marks]

**Answer:**  $5\frac{1}{6}$

- 6 Work out  $4\frac{1}{6} - 2\frac{5}{6}$ . Show your working. [2 marks]

**Answer:**  $1\frac{1}{3}$

- 7 Noah says, " $\frac{7}{12}$  is greater than  $\frac{3}{5}$ ." Is Noah correct? Prove it. [2 marks]

**Answer:** No.  $\frac{35}{60} < \frac{36}{60}$

- 8 A loaf of bread needs  $\frac{3}{8}$  kg of flour. How much flour is needed for 4 loaves? Give your answer as a mixed number in its simplest form. [2 marks]

**Answer:**  $1\frac{1}{2}$  kg

- 9 Mr Khan has 72 stickers. He gives  $\frac{1}{4}$  of them to Leo and  $\frac{1}{3}$  of them to Mei. How many stickers does he have left? Show your working. [3 marks]

**Answer:** 30 stickers

- 10 Aisha reads  $\frac{1}{4}$  of her book on Monday and  $\frac{3}{8}$  of it on Tuesday. She has 21 pages left to read. How many pages are in the whole book? Show your working. [3 marks]

**Answer:** 56 pages