



# Fractions: rename, compare and add

Core skills

---

Show your thinking with a drawing, words or equations. Work at your own pace.

- 01** Rename  $\frac{2}{3}$  in sixths. Draw equal-sized wholes to show the match.

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

Shade the same amount in both bars.

- 02** Rename  $\frac{3}{4}$  in twelfths. Show the same factor on the top and bottom.

---

---

- 03** Simplify  $\frac{6}{10}$ . State the common factor you used.

---

---

- 04** Which is greater:  $\frac{5}{8}$  or  $\frac{3}{4}$ ? Explain using equal-sized parts.

---

---

- 05** Is  $\frac{1}{2}$  equivalent to  $\frac{2}{3}$ ? Write both as sixths to explain.

---

---

- 06** Simplify  $\frac{9}{12}$ . Explain why the value stays the same.

---

---



# Fractions: rename, compare and add

Apply and explain

---

Show your thinking with a drawing, words or equations. Work at your own pace.

**07** Find  $\frac{1}{2} + \frac{1}{3}$ . Show the renamed fractions.

---

---

**08** Find  $\frac{3}{4} + \frac{1}{8}$ . Show the common denominator.

---

---

**09** Find  $\frac{2}{5} + \frac{1}{10}$ . Give the answer in simplest form.

---

---

**10** Find  $\frac{5}{6} + \frac{1}{4}$ . Give a mixed-number answer.

---

---

**11** A ribbon is  $\frac{2}{3}$  metre long. Add  $\frac{1}{6}$  metre. Find the total length.

---

---

**12** Find  $\frac{3}{4} + \frac{2}{3}$ . Explain why the answer is greater than one.

---

---



# Fractions: rename, compare and add

Answer key - discuss the method as well as the answer

---

- 01 4/6** Multiply numerator and denominator by 2:  $2/3 = 4/6$ .
- 02 9/12** Multiply numerator and denominator by 3:  $3/4 = 9/12$ .
- 03 3/5** Divide both numbers by 2. Three fifths is in simplest form.
- 04 3/4**  $3/4 = 6/8$ . Six eighths is greater than five eighths.
- 05 No**  $1/2 = 3/6$ , while  $2/3 = 4/6$ . The amounts differ.
- 06 3/4** Divide both numbers by 3. The fraction keeps the same value.
- 07 5/6**  $3/6 + 2/6 = 5/6$ .
- 08 7/8**  $6/8 + 1/8 = 7/8$ .
- 09 1/2**  $4/10 + 1/10 = 5/10 = 1/2$ .
- 10 1 1/12**  $10/12 + 3/12 = 13/12 = 1 \frac{1}{12}$ .
- 11 5/6**  $4/6 + 1/6 = 5/6$  metre.
- 12 1 5/12**  $9/12 + 8/12 = 17/12 = 1 \frac{5}{12}$ . There are more than twelve twelfths.

Calculations checked 31 October 2026. Independent teacher review is being sought. Questions or corrections: [support@dailymathquest.com](mailto:support@dailymathquest.com). Please omit children's personal details.