



Mixed Numbers

Mana Maths

Te reo Māori terms



tau hanumi

mixed number

[Open in Te Aka](#)

**hautau nui ake i te
kotahi**

improper fraction

[Open in Te Aka](#)

tauoti

whole number

[Open in Te Aka](#)

hautau

fraction

[Open in Te Aka](#)

Foundation

1. Write $2\frac{1}{3}$ as an improper fraction.

2. Write $4\frac{1}{2}$ as an improper fraction.

3. Write $3\frac{3}{5}$ as an improper fraction.

4. Write $\frac{11}{4}$ as a mixed number.

5. Write $\frac{14}{3}$ as a mixed number.

6. Write $\frac{17}{5}$ as a mixed number.

7. Find $1\frac{1}{4} + 2\frac{2}{4}$.

8. Find $3\frac{1}{5} + 1\frac{3}{5}$.

9. Find $5\frac{2}{7} - 2\frac{1}{7}$.

10. Find $4\frac{3}{8} - 1\frac{2}{8}$.

11. Write $2 + \frac{3}{4}$ as one mixed number.

12. Write $6 + \frac{1}{6}$ as one mixed number.

13. Which is greater: $2\frac{1}{3}$
or $2\frac{2}{3}$?

14. Which is greater: $3\frac{4}{5}$
or $\frac{19}{5}$?

Proficient

1. Write $5\frac{3}{4}$ as an improper fraction.

2. Write $7\frac{5}{6}$ as an improper fraction.

3. Write $\frac{23}{4}$ as a mixed number.

4. Write $\frac{41}{6}$ as a mixed number.

5. Find $2\frac{1}{3} + 1\frac{5}{6}$.

6. Find $4\frac{3}{8} + 2\frac{1}{4}$.

7. Find $6\frac{1}{2} - 2\frac{3}{4}$.

8. Find $5\frac{2}{3} - 1\frac{5}{6}$.

9. Fill in the blank: $3\frac{2}{5} = \frac{\square}{5}$.

10. Fill in the blank: $\frac{22}{3} = \square \frac{\square}{3}$.

11. A rope is $2\frac{1}{2}$ m long and another is $1\frac{3}{4}$ m long. What is the total length?

12. A tank holds $8\frac{1}{3}$ L. If $2\frac{5}{6}$ L is used, how much is left?

Excellence

1. A student says $3\frac{4}{5} = \frac{19}{5}$.
Are they correct? Explain briefly.

2. A student says $\frac{29}{6} = 4\frac{4}{6}$.
Is this fully simplified? Explain.

3. Find $2\frac{3}{4} + 1\frac{5}{6}$.

4. Find $6\frac{2}{3} - 2\frac{5}{12}$.

5. Find $3\frac{1}{2} + 2\frac{2}{3} - 1\frac{1}{6}$.

6. Find $7\frac{1}{4} - 3\frac{5}{8} + 1\frac{1}{2}$.

7. Which is greater: $4\frac{2}{3}$
or $\frac{29}{6}$? Justify your answer.

8. Complete both blanks:
 $\frac{\square}{8} = 5\frac{3}{8} = \frac{43}{\square}$.

9. A baker used $1\frac{3}{4}$ cups of flour in the morning and $2\frac{2}{3}$ cups in the afternoon. How much flour was used altogether?

- 10.** A runner completed $9\frac{1}{2}$ km on Monday and $3\frac{2}{4}$ km less on Tuesday. How far did the runner complete on Tuesday?
- 11.** A ribbon that is $5\frac{5}{6}$ m long is cut into pieces of length $\frac{1}{6}$ m. How many pieces are made?
- 12.** Write $8\frac{7}{9}$ as an improper fraction, then say between which two whole numbers it lies.
- 13.** Explain why $\frac{17}{4} = 4\frac{1}{4}$.
- 14.** Find a mixed number equal to $\frac{52}{7}$.
- 15.** If $x = 2\frac{5}{6}$ and $y = 1\frac{1}{3}$, find $x + y$.
- 16.** If $m = 6\frac{1}{2}$ and $n = 2\frac{3}{5}$, find $m - n$.