



Forming percentages

Mana Maths

Te reo Māori terms



ōrau

percentage

Open in Te Aka

hautau

fraction

Open in Te Aka

tau ā-ira

decimal

Open in Te Aka

rahinga

quantity

Open in Te Aka

Foundation

1. Write 0.2 as a percentage.
2. Write 0.5 as a percentage.
3. Write 0.7 as a percentage.
4. Write 0.03 as a percentage.
5. Write 0.9 as a percentage.
6. Write 0.45 as a percentage.
7. Write $\frac{1}{2}$ as a percentage.
8. Write $\frac{1}{4}$ as a percentage.
9. Write $\frac{3}{4}$ as a percentage.
10. Write $\frac{1}{5}$ as a percentage.
11. Write $\frac{2}{5}$ as a percentage.
12. Write $\frac{9}{10}$ as a percentage.

13. Out of 10 shots, 6 go in. Write this as a percentage.

14. Out of 20 students, 5 are away. Write this as a percentage.

15. Out of 100 squares, 32 are shaded. Write this as a percentage.

16. Which is greater: 40% or 0.3?

17. Which is smaller: $\frac{3}{5}$ or 50%?

18. Fill in the blank: $0.8 = \square\%$.

Proficient

1. Write 0.18 as a percentage.
2. Write 0.62 as a percentage.
3. Write 0.125 as a percentage.
4. Write 0.375 as a percentage.
5. Write $\frac{3}{5}$ as a percentage.
6. Write $\frac{7}{10}$ as a percentage.
7. Write $\frac{3}{20}$ as a percentage.
8. Write $\frac{7}{20}$ as a percentage.
9. Write $\frac{11}{20}$ as a percentage.
10. Write $\frac{5}{8}$ as a percentage.
11. 14 out of 20 books are returned. Write this as a percentage.
12. 18 out of 25 goals are scored. Write this as a percentage.

13. 27 out of 40 questions are correct. Write this as a percentage.

14. Fill in the blank: $\frac{\square}{10} = 70\%$.

15. Fill in the blank: $0.34 = \square\%$.

16. Are $\frac{9}{20}$ and 45% equivalent?

17. Put in ascending order: 35%, $\frac{2}{5}$, 0.5.

18. Explain in one short sentence how you turn a decimal into a percentage.

Excellence

- 1.** A student says $0.47 = 4.7\%$. **2.** A student says $\frac{3}{8} = 37.5\%$. **3.** Write $\frac{13}{20}$ as a percentage.
Are they correct? Explain. Are they correct? Explain.
- 4.** Write $\frac{17}{25}$ as a percentage. **5.** Write 0.875 as a percentage. **6.** Write 1.2 as a percentage.
- 7.** 42 out of 60 people choose option A. Write this as a percentage. **8.** 36 out of 48 tickets are sold. Write this as a percentage. **9.** 7 out of 16 sections are shaded. Write this as a percentage.
- 10.** Fill in the blank: $\frac{\square}{8} = 62.5\%$. **11.** Fill in the blank: $0.056 = \square\%$. **12.** Fill in the blank: $145\% = 1.45$

- 13.** Which is greater: 65% or $\frac{2}{3}$? Show enough working to justify.
- 14.** Which is smaller: 0.48 or 49%? Explain.
- 15.** Put in descending order: 72%, $\frac{7}{10}$, 0.68.
- 16.** Which does not belong: 0.4, 40%, $\frac{4}{10}$, $\frac{1}{5}$?
- 17.** A test score was 18 out of 24. Write it as a percentage.
- 18.** A bottle is $\frac{5}{8}$ full. Write this as a percentage.