

Maths Goals - Fractions & Geometry

Read through the goals below and select one that you think you need to work on over the next Term.

After the workshops and activities and testing, how do you think you are doing?

Ask yourself these questions to help you select the appropriate goal for you:

Which strategy/skill do I still need to be more confident using?

What do I find challenging? What will my next steps be?

Choose one of the goals below and enter it into your Goal Slideshow : Maths Term 3

My goal in Maths for this term is to...

Fractions

Knowledge Stage 4	Read unit fractions $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{5}$, $\frac{1}{10}$
Strategy Stage 4	Find $\frac{1}{2}$ and $\frac{1}{4}$ of sets and shapes by equal sharing
Knowledge Stage 5	Know unit fraction symbols $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{5}$, $\frac{1}{10}$ Order fractions with the same denominators $\frac{1}{4}$, $\frac{3}{4}$,
Strategy Stage 5	Find a fraction of a number by trial and improvement with 'addition' facts. • Find fractions of shapes and lengths including fractions greater than 1 • Order fractions
Knowledge Stage 6	Read decimals to 3 d.p 0.764 Read any fraction inc. >1 $\frac{8}{6}$, $\frac{4}{5}$, $1\frac{1}{3}$, Order unit fractions $\frac{1}{10}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, Count forwards and backwards in $\frac{1}{2}$'s, $\frac{1}{4}$'s, $\frac{1}{3}$'s, $\frac{1}{5}$'s, $\frac{1}{10}$'s
Strategy Stage 6	Find fractions of whole numbers $\frac{3}{4}$ of 24 = ? $\frac{3}{4}$ of what is 21? Solve simple equivalent ratio and rate problems 2 : 3 so ? : 6 Compare fraction sizes with whole numbers $3\frac{7}{7} = 5\frac{2}{7}$
Knowledge Stage 7	Count forwards and backwards in $\frac{1}{1000}$'s, $\frac{1}{100}$'s, $\frac{1}{10}$'s 1's, 10's, etc. Say the number $\frac{1}{1000}$, $\frac{1}{100}$, $\frac{1}{10}$, 1, 10, before or after any number Order mixed fractions with $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{5}$, $\frac{1}{10}$ Know equivalent fractions for $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{5}$, $\frac{1}{10}$ with denominators 10,100,1000
Strategy Stage 7	Unit fractions: $5\frac{1}{8} \times 72 = 5 \times (\frac{1}{8} \times 72)$ Place value: $3.4 \times 8 = (3 \times 8) + (0.4 \times 8)$ Equivalent fractions 40% of 35 = $\frac{2}{5}$ of 35 Compensation from tidy numbers: $2.9 \times 6.3 = (3 \times 6.3) - (0.1 \times 6.3)$

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Geometry

Follow and give instructions involving distance in metres, compass directions including N, S, E, W, NE, NW, SE, SW and $\frac{1}{2}$ and $\frac{1}{4}$ turns. Draw maps of familiar areas such as the classroom, my house, the route home from school using simple scales. Interpret maps of the local area and of New Zealand.