Purpose of profiles

• Provide a broad set of examples of what learners can do at each step.
  – Individual learners will have differing gaps in their knowledge and strategies
  – Learners may have strengths in particular areas that are higher than the step they are on

• Provide a comparison between realistic expectations of learners at each step and course demands.

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Step Two Profile

- I can work out 27 – 8 by counting back in ones, and 62 + 20 by counting in tens
- I can work out 6 x 2 by counting 2, 4, 6, 8, 10, 12
- I can find 1/3 of a twelve pack by sharing out equally
- I know that 6 + 7 = 13
- I know that 100 comes just after 99, and 79 comes before 80
- I can count in twos, fives, and tens to 100
- I know that 67 is 6 tens and 7 ones
I’m really uncomfortable with numbers.

When I have to work things out, I need to use my fingers.

Step Two Profile

I can work out $23 + 9$ and $52 - 7$ without counting on my fingers.

I know $8 \times 6 = 48$ and $40 \div 5 = 8$.

I know $\frac{3}{4}$ is greater than $\frac{1}{4}$.

I know that $990 + 10 = 1000$ and $990 - 100 = 890$.

I know that $763$ has $7$ hundreds, $6$ tens and $3$ ones.

Step Three Profile
I am pretty comfortable calculating with whole numbers as long as they are not too big.

I don’t do fractions, decimals and percentages

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I can work out 27 × 3 without a calculator. I can use that answer to work out 81 ÷ 3.

I can work out 248 + 317 and 972 - 86.

I can work out 4/5 of 20 grams.

I know that one less than a million is 999 999

I know that 0.3 is bigger than 0.25 and that 1/7 is bigger than 1/11

I know that 4500 is the same as 45 hundreds or 450 tens and 0.3 and 0.7 make 1 (a whole).

I know that 0.3 is bigger than 0.25 and that 1/7 is bigger than 1/11
Step Four Profile

I am good at adding and subtracting whole numbers but multiplication and division with bigger numbers is hard.

I know what fractions and decimals are and I can find a fraction of a number.

Step Five Profile

I can work out $1.92 \text{ m} + 2.463\text{ m}$ and $3 \text{ kg} - 256\text{ g}$.

I know that $56 \times 38$ is about 2400 and I use my calculator if I want an accurate answer.

I know $6789 \div 65$ is about 100 and I use my calculator if I want an accurate answer.

I work out 25% of 80 by finding one quarter of 80.

I know 68.199 comes before 68.2.

I know 2.63 has 26 tenths and 3 hundredths.

I know $7.3 \times 100 = 730$ and $0.25 \div 10 = 0.025$.

I know that $1/5$ is 20%, so $4/5$ is 80%. I know 25% is bigger than 0.2.
Step Five Profile

I have whole numbers sorted and I am pretty comfortable using common fractions, decimals and percentages.

I know how to change between fractions, decimals and percentages.

Step Six Profile

I can work out $2/3 \times 3/4$

I can work out $4.8 \div 0.6$, $\frac{1}{2}$ of $\frac{3}{4}$ and $40\%$ of $900$

I can convert $\$NZ300$ into $\$US$ at a rate of $0.7254$

I can work out how long a road trip of 250km will take at 75 km/h

I can change 36 out of 48 goals to a percentage
I can solve problems that involve proportions, rates and ratios

I know how to solve problems that include harder fractions, decimals and percentages

Step Six Profile