

Numeracy Learning Progressions: STEP 3 capabilities

What STEP 3 *knowledge* might I *have*

What sort of things might I know?

- *I can make \$950 using 9 hundred dollar notes and 5 ten dollar notes*
- *I know 457g is about 460g.*
- *The change from \$900 for something that costs \$890 is \$10.*
- *I know that $\frac{3}{4}$ hour is longer than $\frac{1}{4}$ hour.*
- *I buy lunch for 6 at \$7 each and know that it's \$42.*
- *A \$56 bar tab split amongst 7 people is \$8 each.*

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.



Which STEP 3 *strategies* might I *use*?

What sort of things might I do?

- *I can work out $52 - 7$ by taking 10 away from 52 and adding 3 back on.*
- *I can add $23 + 9$ by adding 7 to 23 to get 30, then adding 2 more to make 32.*
- *I can work out 6×7 because I know 7×7 is 49, and I can take one 7 from 49 to get 42.*

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



What STEP 3 understandings of *Space, Shape* and Measurement might I have?

What sort of things might I know or do?

- I can work out how to arrange tables to seat a group of 12 people together.
- I can use shapes to create a tukutuku pattern.
- I can draw a simple map showing how to get to a BBQ.
- I can estimate the distance between fence posts by pacing.

I can informally estimate the length of a room by pacing it out. I'm learning to accurately use a tape measure.

I can give directions to my house from town. I can shift shapes around to fit spaces.



What STEP 3 understandings of *Reasoning Statistically* might I have?

What sort of things might I be doing?

- *I can follow Trade Me car auctions over several days to get an idea of the value of my car before I sell it.*
- *I can sort the auction results into years, models, mileage, colour and asking price to work out my selling price.*
- *The chance of getting a head when I toss a coin is 50% or $\frac{1}{2}$*

I can organise information into categories, describe the categories and compare the categories

I can describe the chance of something happening.

