Year 8 Mathematics Learning Journey: Unit 18 - Number Sense

Step 11: Time and the calendar

A film starts at 9:50pm and lasts $2\frac{3}{4}$ hours. What time will the film end?

Step 10 (H): Convert metric units of volume

Which is bigger, $8m^3$ or $800\,000cm^3$?

Step 9 (H): Convert metric units of area

Why is it that $1cm^2 \neq 10mm^2$?

Step 8: Convert units of weight and capacity

Is this statement true or false? b g = $\frac{b}{1000}$ kg

Step 7: Convert metric measures of length

Why is 6.4cm not equal to 6.40mm?

Step 6: Calculate with money

What is the difference between credit and debit?

Step 5 (R): Order of operations

Will $\sqrt{9} + \sqrt{16}$ and $\sqrt{9+16}$ have the same answer? Why or why not?

Step 4 (H): Error interval notation

A number n rounded to 2s.f is 3800. Write down the error interval for n.

Step 3: Estimation

Estimate 82.6 x 35.1 and decide if your answer is an under- or overestimate.

Step 2: Round to decimal places

Explain why rounding to 1 decimal place is the same as rounding to one tenth.

Step 1 (R): Rounding to powers of 10 and 1sf

A newspaper reports a lottery win of £20 million. The size of the win has been rounded to 1 significant figure. What is the least possible size of the win?

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