Approaches for finding the length of brown tape

A company manufactures clear and brown packing tape.
- The clear rolls contain 120 metres of tape.
- The rolls of brown tape contain 50% more tape than the clear rolls.

How many metres of tape do the rolls of brown tape contain?

Nel's approach	Reuben's approach	Saskia's approach
10% of 120m = 12m 12m × 15 = 180m	120m × 1·5 = 180 m	120m ÷ 2 = 60m 150% = 120m + 60m = 180m
• What has Nel done? • Why has Nel multiplied by 15?	• What has Reuben done? • Why has Reuben multiplied by 1.5?	• What has Saskia done? • Why has Saskia divided by 2?

Nel, Reuben and Saskia each drew a diagram to show their thinking. Whose diagram is whose?

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