Solve each problem and record clearly how you found your answer.
Provide evidence that the answer is correct.

1. Mum buys 3.4 metres of ribbon at $0.89 per metre.

   How much does Mum pay?

2. The electric heater uses 1.4 kilo watts (kw) per hour.

   If you leave it on for 45 minutes (0.75 hours), how many kilowatts does it use?

3. One Samoan tala (ST$1) costs $NZ0.57.

   A mango at Apia market costs ST$2.40. What is the cost in New Zealand dollars?

4. This design was too big. So Mere photocopied it on a magnification of 0.71.

   How long was the design copy?

   ←—— 8.7 cm ——→

5. One cup of flour weighs 0.113 kg.

   How many kilograms does 2.5 cups weigh?

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6. The car uses 10.8 litres of petrol to travel 100 kilometres.

   How much petrol does it use on a 34-kilometre trip?

7. Angie's section is a rectangle that measures 22.6 metres at the front and 17.8 metre along the side.

   What is the area of her land in square metres (m2)?

8. In a game of chance, you roll a die then toss a coin. To win you need to get five with the dice, then tails with the coin.

   The chance of getting a five on the dice is one sixth or 0.16.
   The chance of getting tails with the coin is one half or 0.5.

   What is the chance of getting both outcomes, one after the other?

9. Two decimals multiply to give a product of 0.36.

   What might the decimals be?
   Give at least ten different answers.

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