

Investigate Which strategy, mental or calculator, is best for solving each problem?

1. Will 4 000 books fit into 58 cartons?
Each carton can hold 75 books.

Mental

Calculator

2. Can 13 classes of children be seated in a hall that has 400 chairs? Each class has between 28 and 32 children.

Mental

Calculator

3. Can Lucy and 4 friends each buy a bike worth \$295.95 from their raffle winnings of \$1 500?



Mental

Calculator

- 4a Lucy's car holds 70 L of petrol and travels about 7.4 km per litre.



Mental Her parents live 499 km away.
Can she make the journey on a single tank of petrol?

Calculator

5. There are 7 different showbags available at the show and they are all priced at \$6.95. Patrick told his friends he could buy one of each bag with his \$50 spending money.
Do you think he was able to do this?

Mental

Calculator

- 4b Lucy left home at 8.15am and intended to arrive at her parent's by 2.00pm.
If she travels at an average speed of 80 km/h will she arrive before 2.00pm?

Mental

Calculator

6. Lucy worked out a 'get fit' plan on her exercise bike.
She intended to ride an average 500 km per month.
Will Lucy achieve her goal by riding for an hour a day at 15 km/h?

Mental

Calculator

7. How confident are you?

	High	Low
Question 1.	<input type="text"/>	<input type="text"/>
Question 2.	<input type="text"/>	<input type="text"/>
Question 3.	<input type="text"/>	<input type="text"/>
Question 4.	<input type="text"/>	<input type="text"/>
Question 5.	<input type="text"/>	<input type="text"/>
Question 6.	<input type="text"/>	<input type="text"/>