Solving Percentage Problems

I can solve problems involving percentages.

Solve the following problems. For at least one the problems, use a bar model to help you solve the problem. **Show all stages of your working out:**

1. Twinkl Superstore is having a mega sale! Each item has been reduced. Calculate how much each item will now cost.

Skateboard

_____

Laptop

_____

Mobile Phone

_____

2. I think of a number and I reduce it by 60%. Then I add 60 to the number. The number I end up with is 240. What was my starting number?

3. A shop sells 600 televisions in a year. If this is a 50% increase on sales the previous year, how many televisions were sold the year before?

4. Dinesh cycles for four days. On day one, he cycles 1km. Every day, he cycles 10% further than the day before. How far does he cycle for the whole four days?

Solving Percentage Problems **Answers**

Question	Answer
1.	Twinkl Superstore is having a mega sale! Each item has been reduced. Calculate how much each item will now cost.
Skateboard:	£201.50
Laptop:	£440
Mobile Phone:	£187.60
2.	I think of a number then I reduce it by 60%. Then I add 60 to the number. The number I end up with is 240. What was my starting number?
	450
3.	A shop sells 600 TVs in a year. If this is a 50% increase on sales the previous year, how many TVs were sold the year before?
	400
4.	Dinesh cycles for four days. On day one, he cycles 1km. Every day, he cycles 10% further than the day before. How far does he cycle for the whole four days?
	1 + 1.1 + 1.21 + 1.331 = 4.641km