

Name

Date



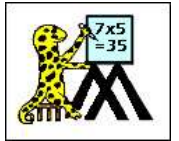
## FIND THE PERCENTAGE CHANGE SHEET 2

*Work out these percentage increases and decreases.*

*Give your answers to the nearest percent.*

- 1) A Labrador retriever weighs 48kg. After a diet and exercise program the dog weighs 41kg. What is the percentage loss in weight?
- 2) A DVD normally costs \$15. It is reduced to \$9.75 in a sale. How much is the percentage reduction?
- 3) Sally is in a long-jump competition. Her first jump is 5.7m. Her second jump is 6.2m. What is her percentage increase in jump length?
- 4) Tyger is trying to eat less sugar in his diet. He reduces his sugar intake from 15 spoons a day to  $9\frac{1}{2}$  spoons a day. What is the percentage reduction in his sugar intake?
- 5) Frazer is training for a cycle race. In the first week, he cycles 195 miles. In the second week, he manages 243 miles. What is the percentage increase in distance?
- 6) Frazer cycles the first 20 miles at an average speed of 21mph. The second part is more uphill, and he only manages 13mph. By what percentage did his speed decrease?





## FIND THE PERCENTAGE CHANGE SHEET 2 ANSWERS

*Work out these percentage increases and decreases.*

*Give your answers to the nearest percent.*

- 1) A Labrador retriever weighs 48kg. After a diet and exercise program the dog weighs 41kg. What is the percentage loss in weight?

**Answer: the percentage loss is 15% in weight**

- 2) A DVD normally costs \$15. It is reduced to \$9.75 in a sale. How much is the percentage reduction?

**Answer: it is reduced by 35% in the sale.**

- 3) Sally is in a long-jump competition. Her first jump is 5.7m. Her second jump is 6.2m. What is her percentage increase in jump length?

**Answer: her percentage increase is 9% in distance**

- 4) Tyger is trying to eat less sugar in his diet. He reduces his sugar intake from 15 spoons a day to  $9\frac{1}{2}$  spoons a day. What is the percentage reduction in his sugar intake?

**Answer: his percentage reduction is 37%**

- 5) Frazer is training for a cycle race. In the first week, he cycles 195 miles. In the second week, he manages 243 miles. What is the percentage increase in distance?

**Answer: his distance is increase by 25%**

- 6) Frazer cycles the first 20 miles at an average speed of 21mph. The second part is more uphill, and he only manages 13mph. By what percentage did his speed decrease?

**Answer: his speed decreased by 38%**

