Test - Percentage change and simple interest

Year: Year 9 · Duration: 45 minutes · /20

Name:	Date:	**Mark: /20**

Question	1	2	3	4	5	Total
marks	4	4	4	4	4	**20**
Mark						

Show your working.

Question 1 (4 marks)

Question 1 – Percentage increase and decrease

Use a multiplier in each part.

a. Increase £240 by 15%. (2 marks)
b. Decrease £650 by 12%. (2 marks)

Question 2 (4 marks)

Question 2 – Percentage change

Work out each percentage change and say whether it is an increase or decrease.

a. A price changes from £36 to £45. (2 marks)
b. A price changes from £50 to £42. (2 marks)

Question 3 (4 marks)

Question 3 – Reverse percentages

Find the original value in each case.

a. After a 20% reduction a coat costs £48. (2 marks)
b. After a 5% increase the rent is £630 per month. (2 marks)

Question 4 (4 marks)

Question 4 – Simple interest

Zara invests £2 000 at 3.5% simple interest per year.

a. Find the interest after 4 years. (2 marks)
b. Find the total amount in the account after 4 years. (1 mark)

c. After how many years has she earned exactly £140 in interest? (1 mark)

Question 5 (4 marks)

Question 5 – Problem: the double sale

A jacket costs £120. In a sale it is reduced by 25%. On the last day a further 10% is taken off the sale price.

a. Find the final price. (2 marks)
b. Dev says this is the same as 35% off. Is he correct? Show your working. (2 marks)