Test - Percentages

Year: Year 5 · Duration: 40 minutes · /20

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

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

Show your working.

Question 1 (4 marks)

Question 1 – Percentages, fractions and decimals

(a) Write 35% as a fraction in its simplest form.

(b) Write 0.7 as a percentage.

(c) Write $\frac{17}{20}$ as a percentage.

(d) Write 8% as a decimal.

Question 2 (4 marks)

Question 2 – Percentages of amounts

Work out (a) 50% of 64 (b) 25% of 120 (c) 10% of 450 (d) 30% of 70

Question 3 (4 marks)

Question 3 – Ordering

(a) Write $\frac{2}{5}$ as a percentage.

(b) Put these in order, smallest first: 0.45, $\frac{2}{5}$, 41%, $\frac{1}{2}$.

(c) Which is bigger, 0.8 or 75%? Explain.

Question 4 (3 marks)

Question 4 – Spot the mistake

Tom says that 5% of £80 is £40 because 5% means a half.

(a) Explain Tom's mistake. (1 mark)

(b) Work out the correct answer for 5% of £80. (1 mark)

(c) Work out 15% of £80. (1 mark)

Question 5 (5 marks)

Question 5 – The sale at the music shop

A music shop sells a guitar for £120 and a keyboard for £80. In a sale the guitar is reduced by 25% and the keyboard by 10%.

(a) How much is taken off the guitar, and what is the new price? (2 marks)

(b) How much is the keyboard in the sale? (1 mark)

(c) Sam buys both instruments. How much does he pay? (1 mark)

(d) What percentage of the total usual price of £200 does Sam save? (1 mark)