Test - Decimals and thousandths

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 – Decimal place value

(a) What is the value of the digit 6 in 3.462?

(b) Write 0.65 as a fraction in its simplest form.

(c) Write $\frac{7}{1000}$ as a decimal.

(d) Write these in order, smallest first: 0.52, 0.5, 0.052, 0.502.

Question 2 (4 marks)

Question 2 – Rounding

(a) Round 9.653 to the nearest whole number.

(b) Round 9.653 to one decimal place.

(c) Round 0.96 to one decimal place.

(d) Round 14.49 to the nearest whole number.

Question 3 (4 marks)

Question 3 – Multiplying and dividing

Work out:

(a) 6.7 × 10 (b) 0.84 × 100 (c) 530 ÷ 1,000 (d) 7.2 ÷ 100

Question 4 (3 marks)

Question 4 – Compare and explain

(a) Write < or > in the box: 0.3 ☐ 0.299.

(b) Tom says that 0.45 is bigger than 0.5 because 45 is bigger than 5. Explain his mistake.

(c) Write a decimal between 0.45 and 0.5.

Question 5 (5 marks)

Question 5 – The lemonade stall

Lara sells lemonade at a school fair. Each cup holds 0.2 litres and costs £0.35. She has 3 litres of lemonade.

(a) How many cups can she fill from the 3 litres? (1 mark)

(b) How much money does she make if she sells 100 cups? (1 mark)

(c) The lemonade and cups cost her £12.50 for 100 cups. How much profit does she make on 100 cups? (2 marks)

(d) Lara says that 1,000 cups hold 20 litres. Is she right? Show your working. (1 mark)