Test - Decimals and percentages

Year: Year 6 · Duration: 40 minutes · /20

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

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

Show your working.

Question 1 (3 marks)

Question 1 – Decimals

a. What is the value of the digit 7 in 3.572?
b. Round 8.4639 to 2 decimal places.
c. Write these in order, smallest first: 0.38, 0.308, 0.83, 0.8.

Question 2 (4 marks)

Question 2 – Calculating with decimals

a. Work out 0.64×100.
b. Work out 7.3×6.
c. Work out $18.9 \div 7$.
d. A bag of rice weighs 2.5 kg. How much do 12 bags weigh?

Question 3 (4 marks)

Question 3 – Equivalent fractions, decimals and percentages

a. Write $\frac{9}{20}$ as a decimal and as a percentage.
b. Write 0.35 as a fraction in its simplest form.
c. Write 62.5% as a decimal.
d. Which is bigger, $\frac{3}{5}$ or 58%? Show how you know.

Question 4 (4 marks)

Question 4 – Percentages of amounts

a. Find 10% of £360.
b. Find 35% of £80.
c. A coat costs £64. It is reduced by 25%. Work out the sale price.

d. Tom scored 18 out of 24 in a test. What percentage is this?

Question 5 (5 marks)

Question 5 – The school trip money

The school trip costs £18.50 for each pupil. There are 32 pupils going. The school pays for 20% of the total cost.

a. Work out the total cost of the trip for 32 pupils.
b. How much does the school pay?
c. How much does each pupil pay if the remaining cost is shared equally between the 32 pupils?
d. Each pupil also brings £4.75 for lunch. How much is this for all the pupils?