Test - Fractions: unit and non-unit

Year: Year 3 · Duration: 30 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 – Unit and non-unit

Look at these fractions: $\frac{1}{8}$, $\frac{3}{10}$, $\frac{1}{5}$, $\frac{5}{6}$.

a. Which two are unit fractions? (2 marks)
b. Which two are non-unit fractions? (1 mark)
c. Write $\frac{3}{10}$ as a count in tenths. (1 mark)

Question 2 (4 marks)

Question 2 – Fractions of amounts

Work out each answer. Show your working.

a. $\frac{1}{5}$ of 40 (1 mark)
b. $\frac{3}{4}$ of 28 (1 mark)
c. $\frac{7}{10}$ of 50 (2 marks)

Question 3 (4 marks)

Question 3 – Add and subtract

Work out each answer.

a. $\frac{2}{9} + \frac{4}{9}$ (1 mark)
b. $\frac{8}{10} - \frac{3}{10}$ (1 mark)
c. $\frac{5}{12} + \frac{7}{12}$ (1 mark)
d. A bar is split into 10 equal pieces. Zoe eats 3 and Dan eats 4. What fraction is left? (1 mark)

Question 4 (4 marks)

Question 4 – Problem: the swimming lessons

A swimming club has 40 children. $\frac{1}{2}$ of the children are beginners, $\frac{1}{4}$ are improvers and the rest are advanced.

a. How many beginners are there? (1 mark)
b. How many improvers are there? (1 mark)
c. How many advanced swimmers are there? (1 mark)
d. What fraction of the club is advanced? (1 mark)

Question 5 (4 marks)

Question 5 – Problem: the market stall

A market stall has 60 oranges. The stallholder sells $\frac{3}{5}$ of them in the morning and $\frac{1}{10}$ in the afternoon.

a. How many oranges are sold in the morning? (2 marks)
b. How many oranges are sold in the afternoon? (1 mark)
c. How many oranges are left? (1 mark)