Test - Fractions

Year: Year 7 · 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 – Fraction skills

Answer all parts. Show your working.

a. Simplify $\frac{36}{48}$. (1 mark)

b. Write $\frac{23}{6}$ as a mixed number. (1 mark)

c. Put $\frac{3}{5}$, $\frac{7}{10}$, $\frac{1}{2}$ in order, smallest first. (2 marks)

Question 2 (4 marks)

Question 2 – Adding and subtracting

Work out each answer. Give mixed numbers where appropriate.

a. $\frac{3}{8} + \frac{1}{4}$ (1 mark)

b. $\frac{7}{10} - \frac{2}{5}$ (1 mark)

c. $2\frac{1}{3} + 1\frac{1}{2}$ (2 marks)

Question 3 (4 marks)

Question 3 – Multiplying and dividing

Work out each answer in its simplest form.

a. $\frac{5}{6}$ of 72 (1 mark)

b. $\frac{4}{9} \times \frac{3}{8}$ (1 mark)

c. $\frac{5}{6} \div \frac{5}{12}$ (1 mark)
d. $1\frac{1}{2} \times 2\frac{2}{3}$ (1 mark)

Question 4 (4 marks)

Question 4 – The bake sale

A school bake sale makes £180 in total. The money is shared: $\frac{2}{5}$ goes to a charity, $\frac{1}{3}$ pays for a new sports kit, and the rest is saved for the next sale.

a. How much goes to the charity? (1 mark)
b. What fraction is saved for the next sale? (2 marks)
c. How much is saved? (1 mark)

Question 5 (4 marks)

Question 5 – Problem: the fitness challenge

Leo is on a fitness challenge. He swims $\frac{3}{4}$ km on Monday and $1\frac{1}{2}$ km on Wednesday. On Friday he swims $\frac{2}{3}$ of the total distance he swam on Monday and Wednesday together. His target for the week is 4 km.

a. How far does he swim on Monday and Wednesday together? (1 mark)
b. How far does he swim on Friday? (1 mark)
c. Does he reach his target of 4 km? Show your working. (2 marks)