Test - Adding and subtracting fractions

Year: Year 4 · Duration: 35 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 – Equivalent fractions

Answer each part.

a. Complete: $\frac{2}{3} = \frac{?}{9}$ (1 mark)
b. Complete: $\frac{6}{8} = \frac{?}{4}$ (1 mark)
c. Which is bigger, $\frac{3}{4}$ or $\frac{5}{8}$? Explain. (2 marks)

Question 2 (4 marks)

Question 2 – Adding and subtracting

Work out each answer. Write answers bigger than 1 as mixed numbers.

a. $\frac{3}{9} + \frac{4}{9}$ (1 mark)
b. $\frac{7}{10} - \frac{3}{10}$ (1 mark)
c. $\frac{5}{6} + \frac{3}{6}$ (2 marks)

Question 3 (4 marks)

Question 3 – Fractions of amounts

Work out the answers. Show both steps.

a. $\frac{3}{5}$ of 40 (2 marks)
b. $\frac{2}{3}$ of £36 (2 marks)

Question 4 (4 marks)

Question 4 – Shared pizza

A pizza is cut into 12 equal slices. Tom eats $\frac{3}{12}$ of the pizza. Sara eats $\frac{4}{12}$ of the pizza.

a. What fraction have they eaten altogether? (1 mark)

b. What fraction is left? (1 mark)
c. Write the fraction that is left in its simplest form. (1 mark)
d. Tom says that he ate a quarter of the pizza. Is he right? (1 mark)

Question 5 (4 marks)

Question 5 – The school library

The school library has 80 books on one shelf. $^{3}/_{10}$ of the books are about animals, $^{2}/_{5}$ are story books and the rest are about space.

a. How many books are about animals? (1 mark)
b. How many books are story books? (1 mark)
c. What fraction of the books are about space? (Use tenths.) (2 marks)