Test - Equivalent fractions and comparing fractions

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 – Equivalent fractions

Complete each equivalent fraction.

a. $\frac{1}{2} = \frac{?}{8}$ (1 mark)
b. $\frac{2}{3} = \frac{4}{?}$ (1 mark)
c. $\frac{6}{10} = \frac{3}{?}$ (1 mark)
d. Explain how you know $\frac{2}{4} = \frac{1}{2}$. (1 mark)

Question 2 (4 marks)

Question 2 – Comparing

Write <, > or = in each gap.

a. $\frac{3}{7}$ __ $\frac{5}{7}$ (1 mark)
b. $\frac{1}{4}$ __ $\frac{1}{8}$ (1 mark)
c. $\frac{3}{4}$ __ $\frac{6}{8}$ (1 mark)
d. Put $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{6}$ in order, smallest first. (1 mark)

Question 3 (4 marks)

Question 3 – Add and subtract

Work out each answer.

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

c. $\frac{3}{8} + \frac{5}{8}$ (1 mark)
d. A bar is cut into 8 equal pieces. Ali eats 3 and Bea eats 2. What fraction is left? (1 mark)

Question 4 (4 marks)

Question 4 – Number line

A number line from 0 to 1 is split into 8 equal parts.

a. Write the fraction at the third mark after 0. (1 mark)
b. Which mark is equivalent to $\frac{1}{2}$? (1 mark)
c. Which mark is equivalent to $\frac{3}{4}$? (1 mark)
d. How many eighths make one whole? (1 mark)

Question 5 (4 marks)

Question 5 – Problem: sharing a pie

A pie is cut into 12 equal slices. Jo eats 3 slices, Kim eats 4 slices and Lee eats 2 slices.

a. What fraction of the pie does Kim eat? Write it in simplest form. (2 marks)
b. What fraction is eaten by all three? (1 mark)
c. What fraction is left? (1 mark)