

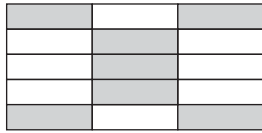
# Master Maths 8 Worksheet 8

## Fractions

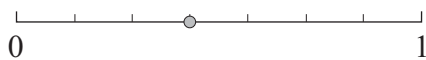
# 8

**Name:** \_\_\_\_\_

1. What fraction of this shape is shaded?




2. What fraction is shown by the dot on this number line?




3. Write a fraction with a denominator of 8 and a numerator of 9.

4. (a) Hervey's guinea pig had a litter of five babies. Four were male. What fraction of the litter was female?

(b) Hervey's cat also had a litter. There were 5 male and 2 female kittens. What fraction of this litter was female?

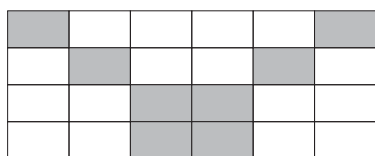
5. Complete the following equivalent fractions.

(a)  $\frac{3}{4} = \frac{\square}{16}$       (b)  $\frac{7}{8} = \frac{49}{\square}$

6. Write these fractions in their simplest form.

(a)  $\frac{18}{27} = \frac{\square}{\square}$       (b)  $\frac{64}{72} = \frac{\square}{\square}$

7. What fraction of this shape is shaded? Write answer in its simplest form




8. Find the lowest common denominator for the following pairs of fractions and change each fraction to have this denominator.

(a)  $\frac{3}{5}$        $\frac{4}{7}$       (b)  $\frac{5}{8}$        $\frac{7}{11}$





9. Circle the **larger** fraction for each of the pairs in question 8.

10. Sam achieved the following marks for three mathematics tests.

Decimals  $\frac{60}{90}$       Fractions  $\frac{75}{100}$       Numbers  $\frac{50}{80}$

- (a) Write these marks in their simplest form then change them to a common denominator.  
 (b) List the marks in order from the highest to lowest mark.

11. Change the following to mixed numbers.

(a)  $\frac{59}{6} = \frac{\square}{\square}$       (b)  $\frac{68}{9} = \frac{\square}{\square}$

12. Change the following to improper fractions.

(a)  $6\frac{3}{5} = \frac{\square}{\square}$       (b)  $8\frac{4}{7} = \frac{\square}{\square}$