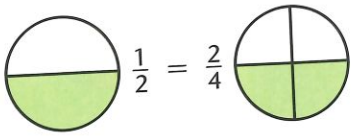
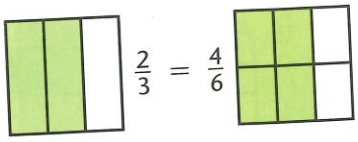
EQUIVALENT FRACTIONS 1

TARGET To recognise and show equivalent fractions.

Equivalent fractions are fractions that look different but are the same.

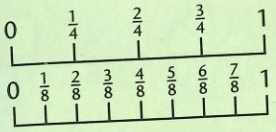
Examples





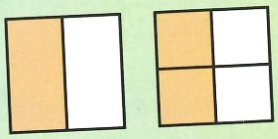
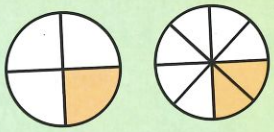
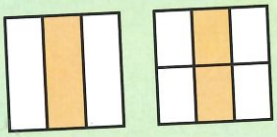
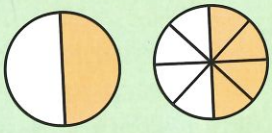
A

Use the number lines to complete the equivalent fractions.



1. $\frac{1}{4} = \frac{\square}{8}$
2. $\frac{1}{2} = \frac{\square}{8}$
3. $\frac{3}{4} = \frac{\square}{8}$
4. $\frac{2}{4} = \frac{\square}{8}$

Write the equivalent fractions shown in each pair of diagrams.

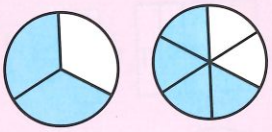
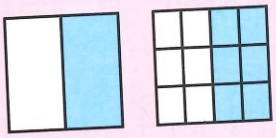
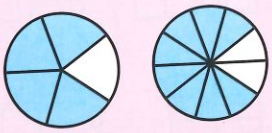
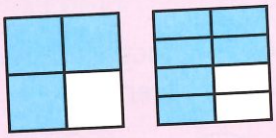
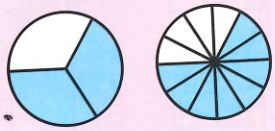
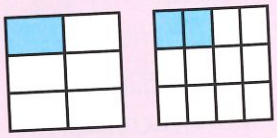
5. 
6. 
7. 
8. 

Draw a pair of diagrams to show:

9. $\frac{1}{2} = \frac{5}{10}$
10. $\frac{1}{3} = \frac{3}{9}$
11. $\frac{1}{2} = \frac{3}{6}$
12. $\frac{3}{4} = \frac{6}{8}$

B

Write the equivalent fractions shown in each pair of diagrams.

1. 
2. 
3. 
4. 
5. 
6. 

Draw a pair of diagrams to show:

7. $\frac{3}{4} = \frac{9}{12}$
8. $\frac{2}{3} = \frac{6}{9}$
9. $\frac{2}{5} = \frac{4}{10}$
10. $\frac{5}{6} = \frac{10}{12}$

C

Copy and complete.

1. $\frac{1}{2} = \frac{\square}{6}$
2. $\frac{3}{4} = \frac{\square}{16}$
3. $\frac{4}{5} = \frac{\square}{10}$
4. $\frac{7}{10} = \frac{\square}{100}$
5. $\frac{2}{3} = \frac{\square}{15}$
6. $\frac{3}{8} = \frac{\square}{16}$
7. $\frac{3}{5} = \frac{\square}{100}$
8. $\frac{9}{10} = \frac{\square}{50}$
9. $\frac{2}{7} = \frac{\square}{14}$
10. $\frac{3}{4} = \frac{\square}{20}$
11. $\frac{11}{25} = \frac{\square}{100}$
12. $\frac{2}{3} = \frac{\square}{18}$

Write the next five fractions in these chains.

13. $\frac{1}{2} = \frac{2}{4} = \frac{3}{6}$
14. $\frac{1}{3} = \frac{2}{6} = \frac{3}{9}$
15. $\frac{3}{4} = \frac{6}{8} = \frac{9}{12}$
16. $\frac{2}{5} = \frac{4}{10} = \frac{6}{15}$

Write >, < or = in each box.

17. $\frac{1}{2} \square \frac{6}{10}$
18. $\frac{2}{3} \square \frac{3}{6}$
19. $\frac{2}{5} \square \frac{4}{10}$
20. $\frac{1}{4} \square \frac{3}{16}$
21. $\frac{1}{3} \square \frac{2}{9}$
22. $\frac{2}{6} \square \frac{4}{12}$
23. $\frac{1}{2} \square \frac{5}{12}$
24. $\frac{3}{8} \square \frac{7}{16}$