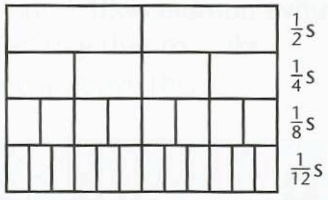
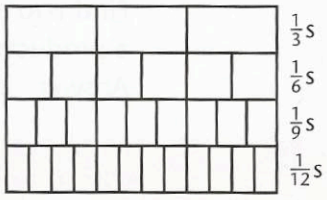
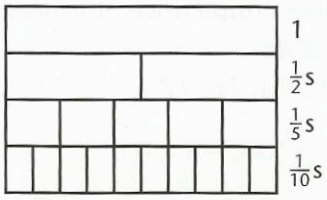
TARGET To recognise and show families of equivalent fractions.

Examples





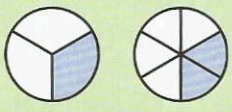
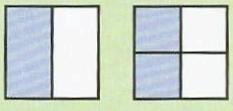
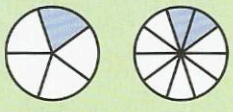
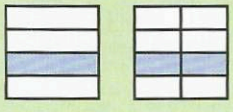


A

Use the fraction charts. Copy and complete these equivalent fractions.

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

Write the equivalent fractions shown in each pair of diagrams.

7. 
8. 
9. 
10. 

B

Use the fraction charts. Copy and complete these families of fractions.

1. $\frac{1}{2} = \frac{\square}{4} = \frac{\square}{8} = \frac{\square}{16}$
2. $\frac{1}{4} = \frac{\square}{8} = \frac{\square}{12} = \frac{\square}{16}$
3. $\frac{1}{5} = \frac{\square}{10} = \frac{\square}{15} = \frac{\square}{20}$
4. $\frac{2}{3} = \frac{\square}{6} = \frac{\square}{9} = \frac{\square}{12}$

Use the diagram to help complete the equivalent fractions.

5.  $\frac{4}{5} = \frac{\square}{10}$
6.  $\frac{3}{4} = \frac{\square}{\square}$
7.  $\frac{1}{3} = \frac{\square}{\square}$
8.  $\frac{2}{3} = \frac{\square}{\square}$

Draw a diagram to show:

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

C

Copy and complete the equivalent fractions.

1. $\frac{4}{5} = \frac{\square}{10}$
2. $\frac{3}{10} = \frac{\square}{100}$
3. $\frac{5}{8} = \frac{\square}{16}$
4. $\frac{2}{3} = \frac{\square}{15}$
5. $\frac{3}{4} = \frac{\square}{16}$
6. $\frac{3}{7} = \frac{\square}{14}$
7. $\frac{1}{2} = \frac{8}{\square}$
8. $\frac{7}{10} = \frac{35}{\square}$
9. $\frac{5}{6} = \frac{15}{\square}$
10. $\frac{4}{9} = \frac{8}{\square}$
11. $\frac{19}{20} = \frac{95}{\square}$
12. $\frac{3}{4} = \frac{15}{\square}$

Continue these fraction chains for four further terms.

13. $\frac{1}{4} = \frac{2}{8} = \frac{3}{12}$
14. $\frac{2}{3} = \frac{4}{6} = \frac{6}{9}$
15. $\frac{5}{8} = \frac{10}{16} = \frac{15}{24}$
16. $\frac{3}{10} = \frac{6}{20} = \frac{9}{30}$
17. $\frac{4}{5} = \frac{8}{10} = \frac{12}{15}$
18. $\frac{7}{8} = \frac{14}{16} = \frac{21}{24}$

Write three more fractions equivalent to:

19. $\frac{4}{11}$
20. $\frac{15}{24}$
21. $\frac{6}{21}$
22. $\frac{20}{45}$
23. $\frac{7}{12}$
24. $\frac{18}{39}$
25. $\frac{14}{18}$
26. $\frac{33}{60}$
27. $\frac{35}{42}$