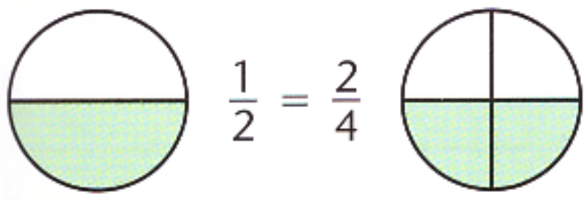
E2 EQUIVALENT FRACTIONS

Gold challenge

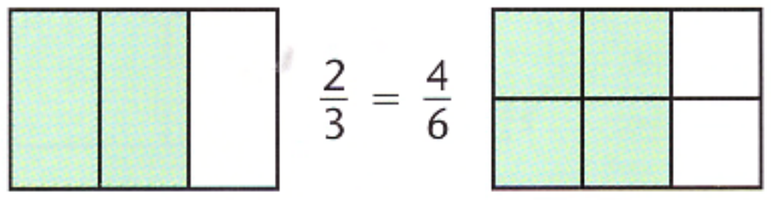
I can find other fractions that are equivalent to a given fraction.

Examples

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



$\frac{1}{2} = \frac{2}{4}$

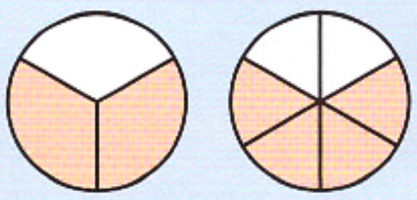


$\frac{2}{3} = \frac{4}{6}$

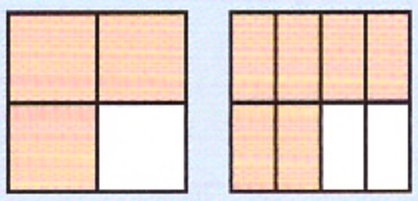
A

Write the equivalent fractions shown in each pair of diagrams.

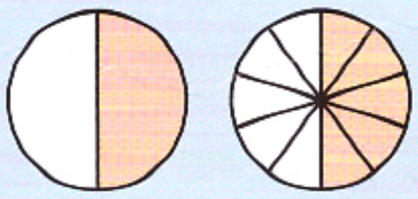
1



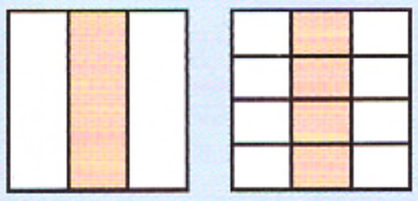
2



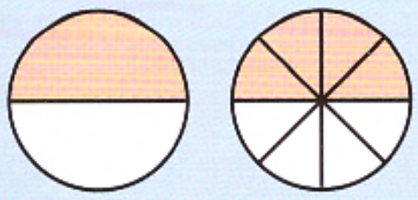
3



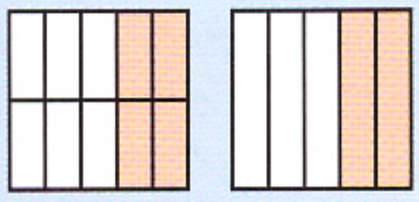
4



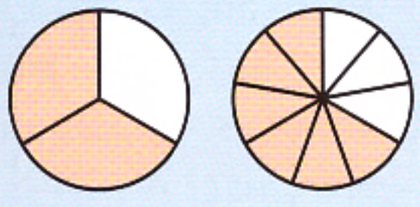
5



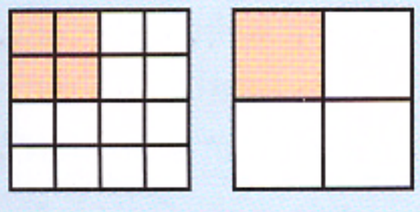
6



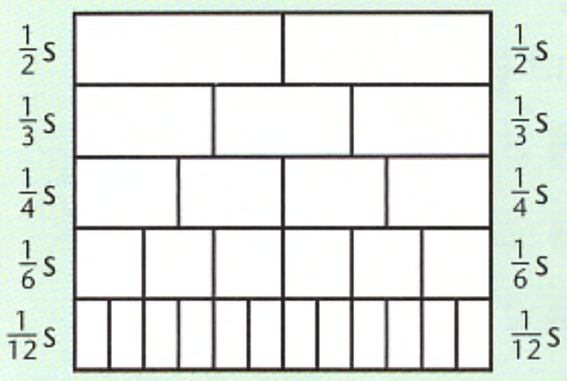
7



8



B



Use the fraction chart.
Copy and complete.

1 $\frac{2}{6} = \frac{\square}{12}$

2 $\frac{1}{2} = \frac{\square}{4}$

3 $\frac{2}{3} = \frac{\square}{6}$

4 $\frac{1}{4} = \frac{\square}{12}$

5 $\frac{5}{6} = \frac{\square}{12}$

6 $\frac{1}{3} = \frac{\square}{12}$

7 $\frac{1}{2} = \frac{\square}{6}$

8 $\frac{2}{3} = \frac{\square}{12}$

9 $\frac{1}{6} = \frac{\square}{12}$

10 $\frac{3}{4} = \frac{\square}{12}$

11 $\frac{1}{3} = \frac{\square}{6}$

12 $\frac{4}{6} = \frac{\square}{12}$

Write the next five fractions in these chains.

13 $\frac{1}{2} = \frac{2}{4} = \frac{3}{6}$

14 $\frac{2}{3} = \frac{4}{6} = \frac{6}{9}$

15 $\frac{1}{4} = \frac{2}{8} = \frac{3}{12}$

16 $\frac{3}{5} = \frac{6}{10} = \frac{9}{15}$

C

Copy and complete.

1 $\frac{1}{2} = \frac{\square}{8}$

2 $\frac{3}{5} = \frac{\square}{10}$

3 $\frac{2}{10} = \frac{\square}{100}$

4 $\frac{1}{5} = \frac{\square}{20}$

5 $\frac{3}{4} = \frac{\square}{8}$

6 $\frac{5}{10} = \frac{\square}{20}$

7 $\frac{2}{3} = \frac{\square}{9}$

8 $\frac{8}{25} = \frac{\square}{100}$

9 $\frac{7}{8} = \frac{\square}{16}$

10 $\frac{3}{4} = \frac{\square}{20}$

11 $\frac{4}{9} = \frac{\square}{18}$

12 $\frac{7}{10} = \frac{\square}{50}$

Which is the odd one out in each set of fractions?

13 $\frac{4}{8}$ $\frac{6}{12}$ $\frac{5}{10}$ $\frac{8}{12}$

14 $\frac{3}{4}$ $\frac{9}{12}$ $\frac{16}{20}$ $\frac{6}{8}$

15 $\frac{4}{9}$ $\frac{2}{6}$ $\frac{10}{30}$ $\frac{4}{12}$

16 $\frac{12}{20}$ $\frac{50}{100}$ $\frac{6}{10}$ $\frac{30}{50}$

17 $\frac{15}{20}$ $\frac{7}{10}$ $\frac{35}{50}$ $\frac{70}{100}$

18 $\frac{10}{12}$ $\frac{25}{30}$ $\frac{15}{18}$ $\frac{12}{18}$

Write $>$, $<$ or $=$ in each box.

19 $\frac{2}{3} \square \frac{4}{6}$

20 $\frac{3}{5} \square \frac{5}{10}$

21 $\frac{1}{2} \square \frac{4}{8}$

22 $\frac{5}{6} \square \frac{11}{12}$

23 $\frac{3}{4} \square \frac{7}{10}$

24 $\frac{5}{8} \square \frac{11}{16}$

25 $\frac{1}{2} \square \frac{9}{20}$

26 $\frac{1}{3} \square \frac{4}{12}$