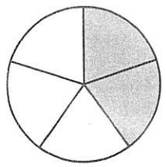
EQUIVALENT FRACTIONS

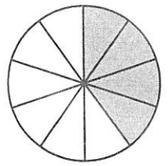
On this page you will learn to recognise equivalent fractions.

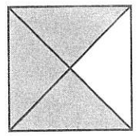
Equivalent fractions are fractions that look different but are the same.

Examples

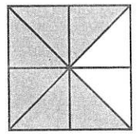


$\frac{2}{5} = \frac{4}{10}$



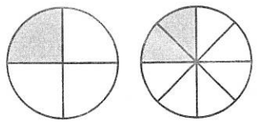


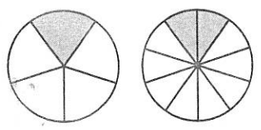
$\frac{3}{4} = \frac{6}{8}$

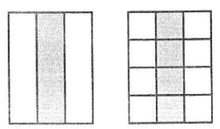


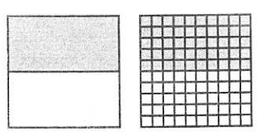
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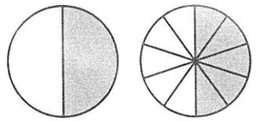
Write the equivalent fractions shown by the shaded areas in each pair of diagrams.

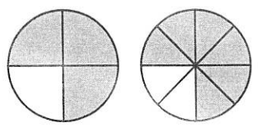
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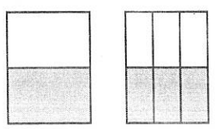
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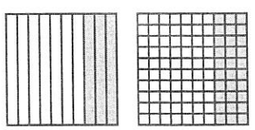
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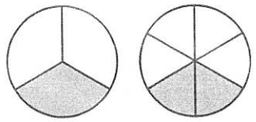
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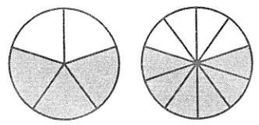
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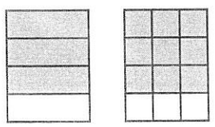
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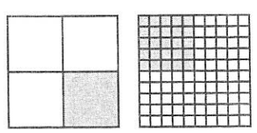
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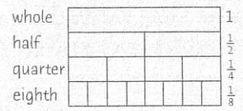
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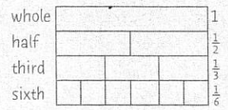
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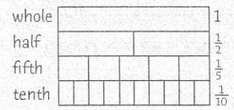
11 

12 

B







Use the fraction charts. Copy and complete these equivalent fractions by filling in the box.

1 $\frac{1}{2} = \frac{\square}{8}$ 4 $\frac{1}{4} = \frac{\square}{16}$ 7 $\frac{5}{8} = \frac{\square}{16}$ 10 $\frac{3}{4} = \frac{\square}{8}$ 13 $\frac{1}{2} = \frac{\square}{16}$

2 $\frac{1}{3} = \frac{\square}{6}$ 5 $\frac{1}{6} = \frac{\square}{12}$ 8 $\frac{1}{2} = \frac{\square}{12}$ 11 $\frac{2}{3} = \frac{\square}{12}$ 14 $\frac{5}{6} = \frac{\square}{12}$

3 $\frac{3}{5} = \frac{\square}{10}$ 6 $\frac{1}{10} = \frac{\square}{20}$ 9 $\frac{7}{10} = \frac{\square}{20}$ 12 $\frac{4}{5} = \frac{\square}{20}$ 15 $\frac{3}{10} = \frac{\square}{20}$

Copy and complete these fraction chains.

16 $\frac{3}{4} = \frac{\square}{8} = \frac{\square}{12} = \frac{\square}{16} = \frac{\square}{\square} = \frac{\square}{\square}$

17 $\frac{1}{6} = \frac{2}{\square} = \frac{3}{\square} = \frac{4}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

18 $\frac{2}{5} = \frac{\square}{10} = \frac{\square}{15} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

19 $\frac{1}{8} = \frac{2}{\square} = \frac{3}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

20 $\frac{2}{3} = \frac{4}{6} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

21 $\frac{7}{10} = \frac{14}{20} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

C

You can change a fraction to an equivalent fraction:

BY CANCELLING

Example

$\frac{8}{12} \frac{(\div 4)}{(\div 4)} = \frac{2}{3}$

BY MULTIPLYING

Example

$\frac{2}{5} \frac{(\times 3)}{(\times 3)} = \frac{6}{15}$

Copy and complete these equivalent fractions by filling in the box.

1 $\frac{2}{3} = \frac{\square}{9}$ 5 $\frac{4}{5} = \frac{\square}{25}$ 9 $\frac{2}{5} = \frac{\square}{30}$ 13 $\frac{\square}{10} = \frac{35}{50}$ 17 $\frac{\square}{9} = \frac{8}{18}$

2 $\frac{1}{4} = \frac{\square}{20}$ 6 $\frac{9}{10} = \frac{\square}{100}$ 10 $\frac{1}{4} = \frac{\square}{60}$ 14 $\frac{\square}{6} = \frac{15}{18}$ 18 $\frac{\square}{3} = \frac{8}{12}$

3 $\frac{1}{2} = \frac{\square}{14}$ 7 $\frac{1}{5} = \frac{\square}{100}$ 11 $\frac{\square}{4} = \frac{9}{12}$ 15 $\frac{\square}{5} = \frac{60}{100}$ 19 $\frac{\square}{20} = \frac{40}{100}$

4 $\frac{1}{3} = \frac{\square}{18}$ 8 $\frac{2}{3} = \frac{\square}{15}$ 12 $\frac{\square}{5} = \frac{6}{15}$ 16 $\frac{\square}{7} = \frac{20}{35}$ 20 $\frac{\square}{8} = \frac{25}{40}$

Write three more fractions equivalent to:

21 $\frac{5}{13}$ 22 $\frac{8}{36}$ 23 $\frac{10}{24}$ 24 $\frac{18}{33}$ 25 $\frac{9}{16}$ 26 $\frac{35}{40}$ 27 $\frac{28}{60}$ 28 $\frac{42}{150}$