

I can use my understanding of division to find fractions of shapes and equivalent fractions.

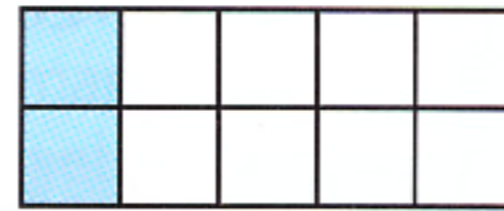
**Examples**

10 equal parts



$\frac{7}{10}$  is shaded

10 equal parts



$\frac{2}{10}$  or  $\frac{1}{5}$  is shaded

Write the fraction shaded as two equivalent fractions.

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

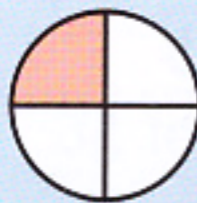
$(\frac{6}{8} \div 2 = \frac{3}{4})$



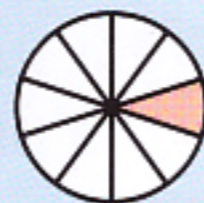
**A**

Write the fraction of each shape which is shaded.

1



5



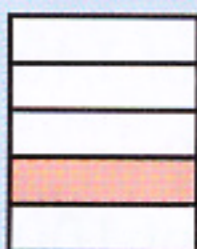
2



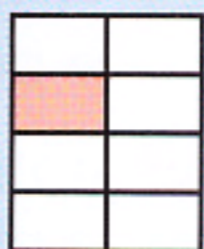
6



3



7



4

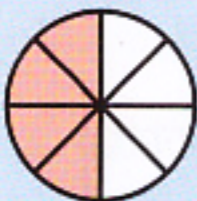


8



Copy and complete by writing  $\frac{1}{2}$  or  $\frac{1}{4}$  in the box.

9



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

10



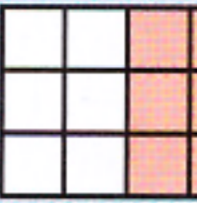
$\frac{2}{8} = \square$

11



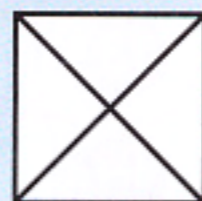
$\frac{3}{12} = \square$

12



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

13 Find six different ways of shading one half of this square.



**B**

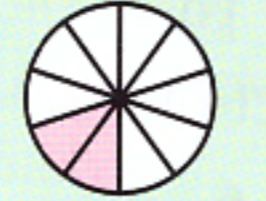
Copy and complete the equivalent fractions.

1



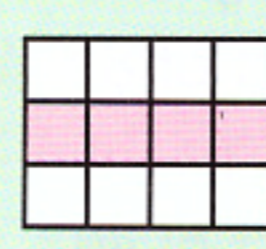
$\frac{4}{8} = \frac{1}{\square}$

2



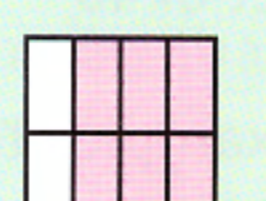
$\frac{2}{10} = \frac{1}{\square}$

3



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

4



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

Write the fraction shown in two different ways.

5



7



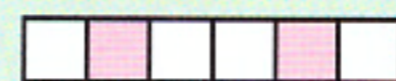
6



8



9 This is one way of shading one third of a strip of 6 squares.

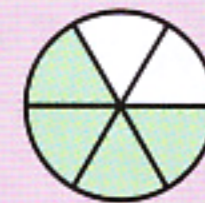


There are 15 different ways altogether. Can you find them all?

**C**

Copy and complete the equivalent fractions.

1



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

2



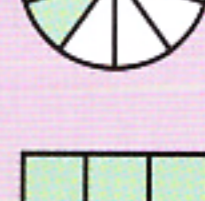
$\frac{9}{12} = \frac{3}{\square}$

3



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

4



$\frac{10}{12} = \frac{5}{\square}$

Write the fraction shown in two different ways.

5



7



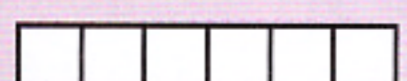
6



8



9



Work systematically to find all the possible ways of shading one half of this strip.