

# FRACTIONS

What is a fraction?

A fraction is defined as the part of the whole thing, or whole object.

WHOLE :- A complete or full object is called a whole.

Fractions of a whole →

Half :-

When an object (whole) is divided into two equal parts, each part is half of the whole.

Half is written as  $\frac{1}{2}$ .



$\frac{1}{2}$

One-third :-

When an object (whole) is divided into three equal parts, each part is called one-third of the whole.

One-third is written as  $\frac{1}{3}$ .

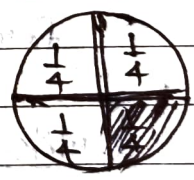


$\frac{1}{3}$

One-fourth :-

When an object is divided into 4 equal parts, each part is called one-fourth of the whole or a quarter.

One-fourth is written as  $\frac{1}{4}$ .

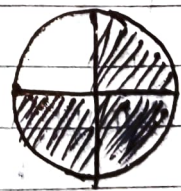


$\frac{1}{4}$

Three-fourths :-

When an object (whole) is divided into 4 equal parts and 3 parts out of 4 equal parts is called three-fourths.

Three-fourths is written as  $\frac{3}{4}$ .



$\frac{3}{4}$

Three-fourths is also called as 3 quarters.

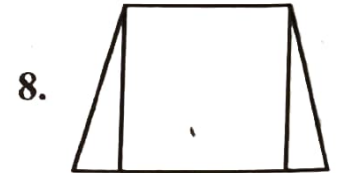
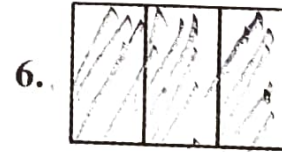
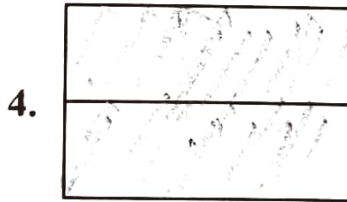
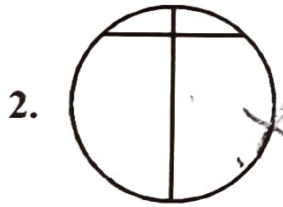
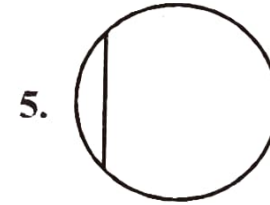
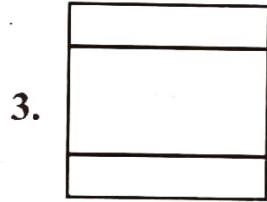
# EXERCISE 10.1

Do in book.

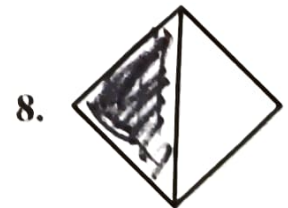
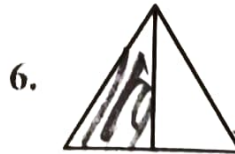
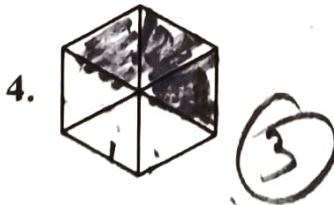
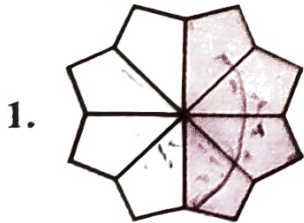
Colour it if you get all your sums right.



A. Colour the shapes that are divided into equal parts.



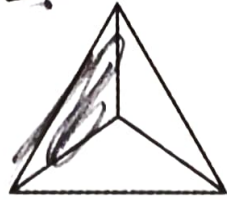
B. Shade or colour one half or  $\frac{1}{2}$  of each shape.



C. Colour one-third or  $\frac{1}{3}$  of each shape.



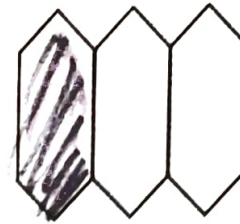
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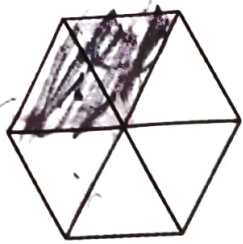
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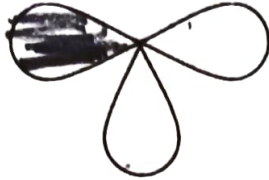
7.



2.



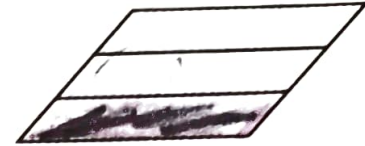
4.



6.

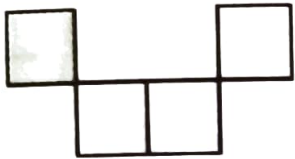


8.

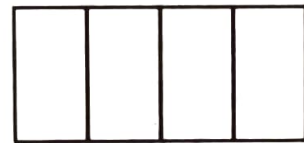


D. Colour one-fourth or  $\frac{1}{4}$  of each shape.

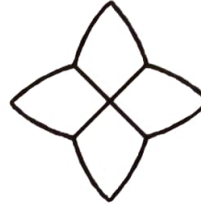
1.



3.



5.



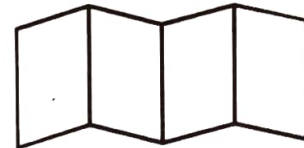
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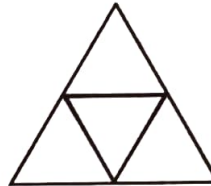
2.



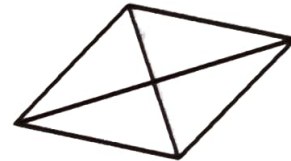
4.



6.



8.



E. Circle the fraction that shows the amount of water in the glass.

Do by own

1.



$\frac{1}{4}$   $\frac{1}{3}$   $\frac{1}{2}$

2.



$\frac{1}{4}$   $\frac{1}{3}$   $\frac{1}{2}$

3.



$\frac{1}{4}$   $\frac{1}{3}$   $\frac{1}{2}$