

## Circles Group:

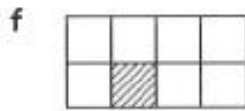
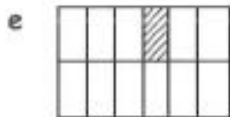
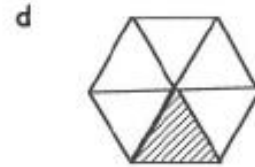
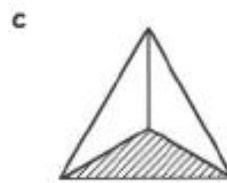
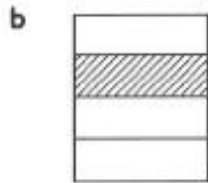
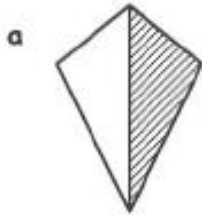
# CHAPTER 11

Fractions



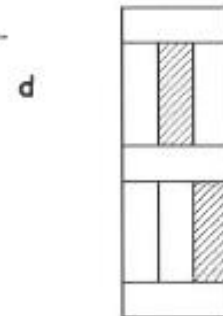
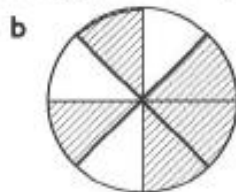
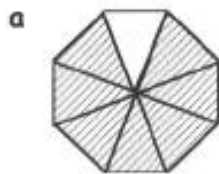
### Exercise 1

1. What fraction of each shape is the shaded bit ?



### Exercise 2

1. For each of the following, write the fraction that is shaded :-



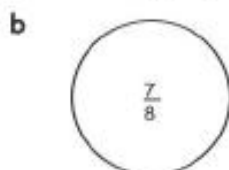
2. Jenny has 19 vegetables in her basket.  
She has 10 potatoes, 7 carrots and the rest are onions.

What fraction of the 19 are :-

- a potatoes      b carrots      c onions ?



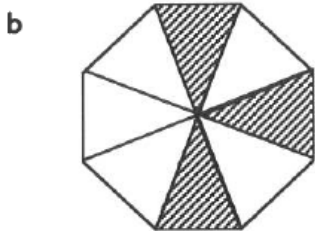
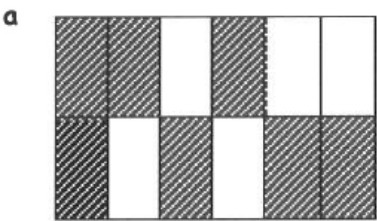
3. Trace or copy each of these shapes, divide it up and shade the fraction asked for :-



# Hexagon & Triangle Groups:

**Revision Exercise**

1. For each shape, say what fraction has been shaded :-



2. For each shape in question 1, write down the fraction **not** shaded.

3. Copy and complete :-

**a**  $\frac{1}{5} = \frac{?}{10}$                       **b**  $\frac{2}{3} = \frac{8}{?}$                       **c**  $\frac{?}{9} = \frac{55}{99}$ .

4. Write down **two** fractions equivalent to :-

**a**  $\frac{1}{8}$                       **b**  $\frac{2}{7}$                       **c**  $\frac{9}{10}$ .

5. Write each of these fractions in their **simplest** form :-

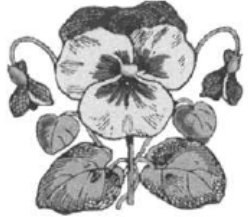
**a**  $\frac{8}{12}$                       **b**  $\frac{14}{35}$                       **c**  $\frac{32}{48}$ .

6. Find :-

**a**  $\frac{1}{4}$  of £28                      **b**  $\frac{1}{7}$  of 49 grams                      **c**  $\frac{1}{11}$  of 77 dollars.

7. Amy has 24 plants in her greenhouse.

- a **quarter** are busy lizzies
- a **third** are pansies
- a **sixth** are lobelia
- the rest are begonia.



- a** How many busy lizzies does Amy have ?  
**b** How many lobelia ?                      **c** How many begonia ?

8. Find :-

**a**  $\frac{2}{5}$  of £30                      **b**  $\frac{5}{7}$  of 210 grams                      **c**  $\frac{5}{8}$  of 7200 euros.

9. 120 racing cars started a race.

After twenty laps,  $\frac{1}{6}$  of them dropped out of the race.  
 By the end of the race  $\frac{9}{10}$  of the cars **remaining** had ran out of fuel.



How many racing cars had no fuel left in their tanks ?