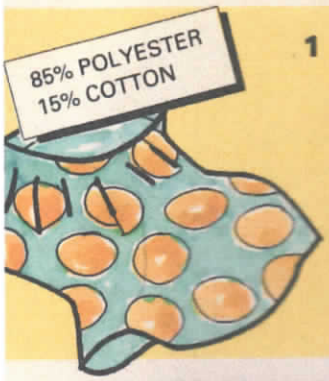
Using percentages



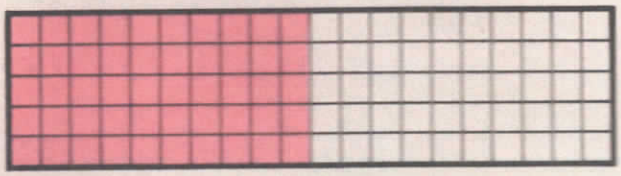
1 The material of this skirt is 85% polyester and 15% cotton.

Find the percentages missing from these labels:

(a) **80% wool**
■% nylon

(b) ■% polyester
33% cotton

(c) 50% POLYESTER
30% WOOL
■% COTTON



$\frac{50}{100}$ or 50% of this rectangle is red.

$50\% = \frac{50}{100} = \frac{5}{10} = \frac{1}{2}$

Do these in the same way:

(a) 10% (b) 20% (c) 25% (d) 75% (e) 1%

Remember

$100\% = 1$ $50\% = \frac{1}{2}$ $25\% = \frac{1}{4}$ $75\% = \frac{3}{4}$
$20\% = \frac{1}{5}$ $10\% = \frac{1}{10}$ $1\% = \frac{1}{100}$

In a class of 28, 25% of the children had chicken pox.
How many had chicken pox?

25% of $28 = \frac{1}{4}$ of $28 = 7$
7 children had chicken pox.

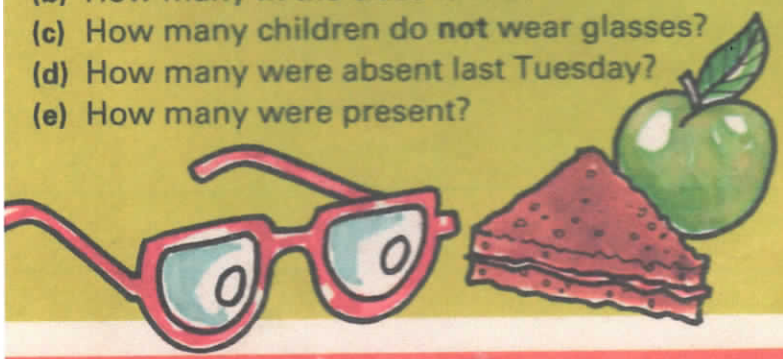
the same way, find:

(a) 25% of 12	(b) 25% of 40	(c) 25% of 36	(d) 25% of 8
(a) 50% of 8	(b) 50% of 12	(c) 50% of 18	(d) 50% of 14
(a) 10% of 30	(b) 10% of 80	(c) 10% of 10	(d) 10% of 100
(a) 20% of 10	(b) 20% of 40	(c) 20% of 35	(d) 20% of 45

(a) How many girls are there in the class?
(b) How many in the class take school lunch?
(c) How many children do **not** wear glasses?
(d) How many were absent last Tuesday?
(e) How many were present?

About our class

There are **20** children in the class.
50% are girls.
25% take school lunch.
20% wear glasses.
10% were absent last Tuesday.



Do Workbook Page 40.