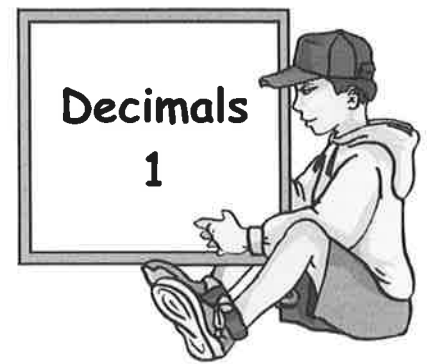
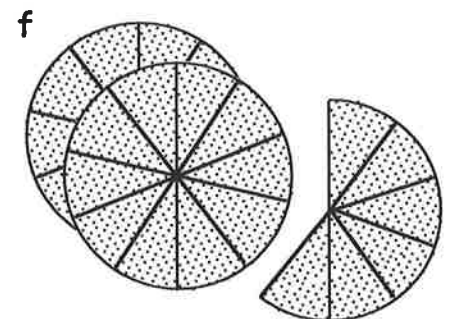
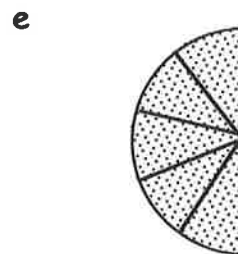
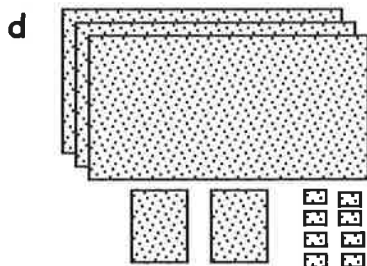
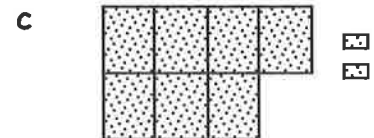
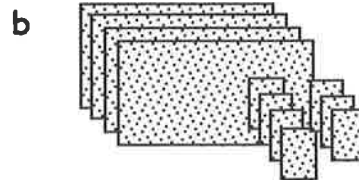
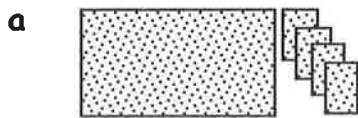


# CHAPTER 5



## Exercise 1

1. What decimal numbers do the following diagrams represent ?



2. Draw neat pictures, in the same style as shown above, to represent :-

a 0.6

b 2.2

c 0.47

d 3.74.

3. What does the 4 represent in these numbers :-

a 34.72

b 85.14

c 39.45

d 3.064 ?

4. Arrange the following numbers in order, **smallest** first :-

a 0.82, 1.07, 0.09, 0.89, 0.02, 1.03.

b 0.165, 0.201, 0.107, 0.180, 0.166, 0.104, 0.156.

5. What number is :-

a 0.6 up from 1.7

b  $\frac{3}{10}$  down from 5.1

c  $\frac{7}{100}$  up from 7.38

d  $\frac{9}{100}$  down from 4.1

e  $\frac{3}{1000}$  up from 2.407

f  $\frac{7}{1000}$  down from 1.007 ?

6. What number lies **halfway** between :-

a 0.2 and 0.8

b 3.6 and 3.7

c 6.3 and 6.6

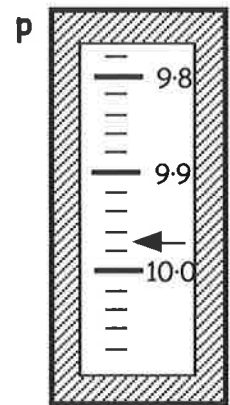
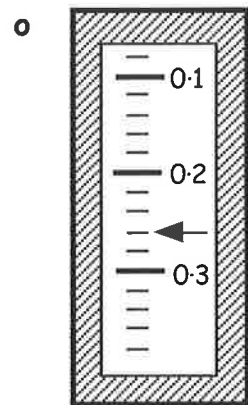
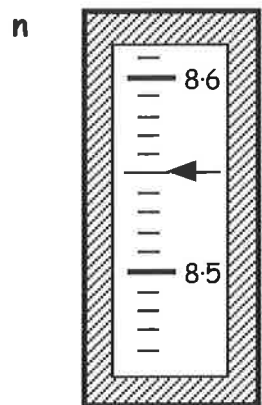
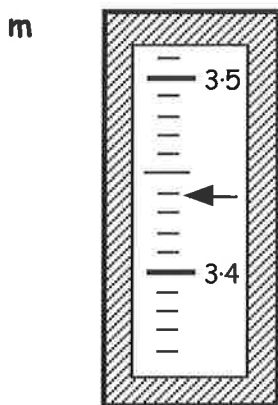
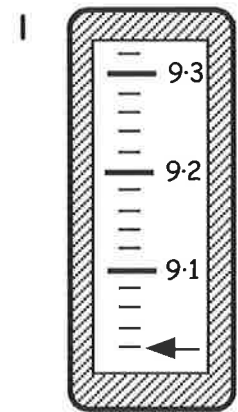
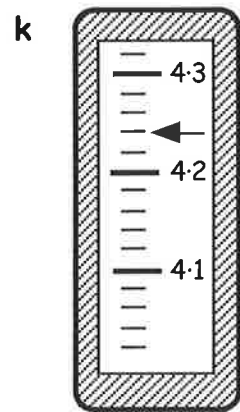
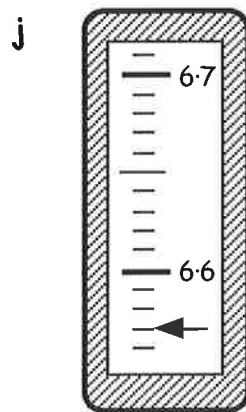
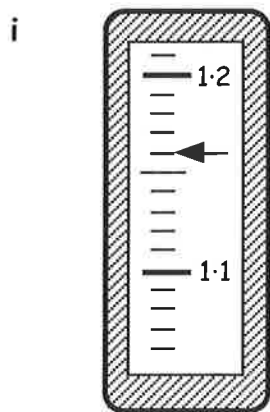
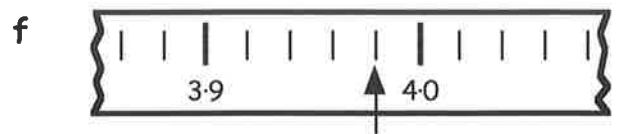
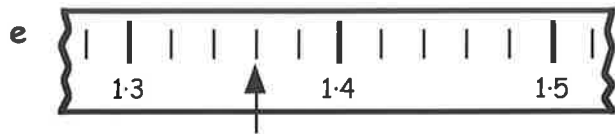
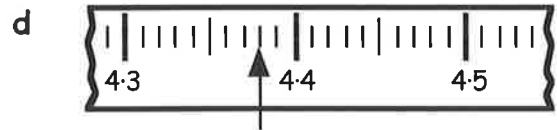
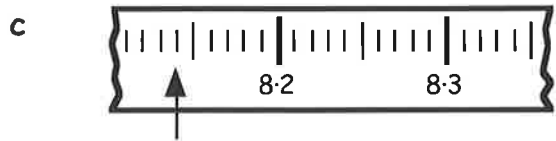
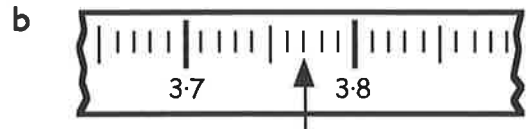
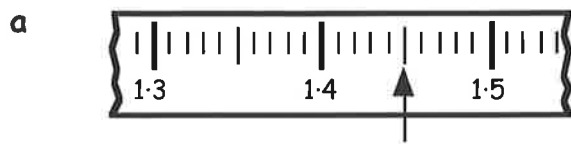
d 0.18 and 0.2

e 2.001 and 2.005

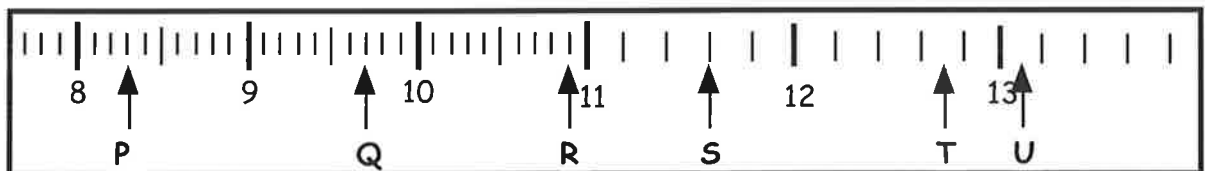
f 1.1 and 1.06 ?

# Exercise 2

1. Which decimal numbers are the arrows pointing to ?



2. Look at this scale and write what numbers the arrows P, Q, R ..... are pointing to.



### Exercise 3

1. Round these to the nearest **whole £** :-

- a £8.30                      b £7.87                      c £1.49                      d £103.50.

2. Round these measurements to the nearest **whole centimetre** :-

- a 7.6 cm                      b 5.75 cm                      c 23.48 cm                      d 107.50 cm.

3. Round these numbers to the nearest **whole number** :-

- a 1.92533                      b 19.099988                      c 112.50765                      d 0.436.

4. Use your **calculator** to do the following divisions.

Write down the answers, correct to the **nearest whole number** :-

- a  $65 \div 7$                       b  $1209 \div 73$                       c  $153.7 \div 18.1$                       d  $0.8 \div 0.9$ .

e Seven neighbours shared 1000 plants. How many did they each get ?

f 112 pens are divided equally amongst five girls. How many pens each ?



### Exercise 4

1. Round these numbers to 1 decimal place :-

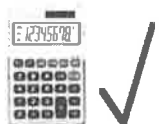
- a 7.26                      b 0.94                      c 21.75                      d 105.246  
e 4.0561                      f 29.05222                      g 1.963                      h 0.051.

2. Use your **calculator** to do the following divisions, then write down your answers correct to 1 decimal place :-

- a  $73 \div 15$                       b  $800 \div 96$                       c  $61.7 \div 0.82$                       d  $9.63 \div 10.2$ .

3. Use your **calculator** to change these fractions to decimals and round your answers to 1 decimal place :-

- a  $\frac{5}{7}$                       b  $\frac{7}{15}$                       c  $\frac{13}{21}$                       d  $\frac{15}{19}$ .



4. Round each number to 1 decimal place, (**no calculator**), then find an estimate to :-

- a  $5.289 + 3.617$                       b  $25.302 + 9.777$                       c  $8.693 - 6.189$ .

5. a A piece of rope, 19.3 metres long, is cut into 6 pieces of equal length.

What length will each part be (to 1 decimal place) ?

b 9 workers share a lotto win of £29 465.

How much should each receive, to the nearest 10 pence (1 decimal place) ?



## Exercise 5

1. Copy the following and find :-

a 
$$\begin{array}{r} 3.7 \\ + 4.5 \\ \hline \end{array}$$

b 
$$\begin{array}{r} 9.1 \\ - 2.6 \\ \hline \end{array}$$

c 
$$\begin{array}{r} 8.49 \\ + 7.38 \\ \hline \end{array}$$

d 
$$\begin{array}{r} 10.2 \\ - 8.3 \\ \hline \end{array}$$

e 
$$\begin{array}{r} 5.23 \\ + 8.77 \\ \hline \end{array}$$

f 
$$\begin{array}{r} 23.12 \\ - 17.51 \\ \hline \end{array}$$

g 
$$\begin{array}{r} 23.57 \\ + 37.48 \\ \hline \end{array}$$

h 
$$\begin{array}{r} 91.02 \\ - 19.05 \\ \hline \end{array}$$

2. Calculate :-

a  $£7.26 + £8.44$

b  $£9.72 - £6.89$

c  $£64.93 + £36.66$

d  $£22.50 - £2.56$

3. One weekend in January, 5.75 cm of snow fell in the Scottish Highlands.

On the same weekend, 13.14 cm of snow fell in the French Alps.

How much more snow fell in the Alps on that weekend ?



4.



In a sale, a skirt cost £23.99 and a blouse cost £19.85.

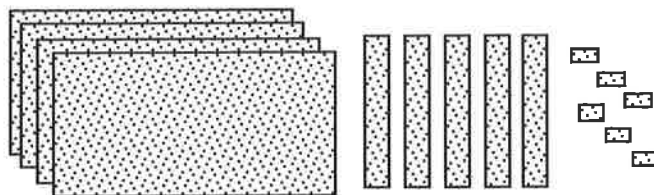
a What's the total cost for both items ?

b How much dearer is the skirt than the blouse ?

## Revision Exercise



1. What decimal number is represented by this diagram ?



2. In the decimal number 72.936, what does the :-

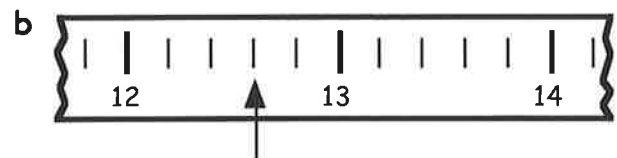
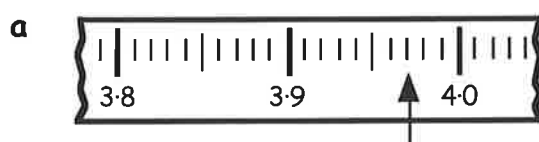
a 7 represent

b 3 represent

c 6 represent

d 9 represent ?

3. What decimal numbers are the arrows pointing to ?



4. Round the following to the nearest whole number :-

- a 8.4                      b 12.8                      c 62.79                      d 102.635.

5. Round each of the following to one decimal place :-

- a 9.87                      b 1.63                      c 23.55                      d 951.249.

6. Copy the following and find :-

- a  $\begin{array}{r} 3.69 \\ + 1.76 \\ \hline \end{array}$                       b  $\begin{array}{r} 46.75 \\ + 9.27 \\ \hline \end{array}$                       c  $\begin{array}{r} 18.6 \\ - 17.9 \\ \hline \end{array}$                       d  $\begin{array}{r} 31.24 \\ - 23.83 \\ \hline \end{array}$

- e  $£37.95 + £4.58$                       f  $£72.39 - £43.99$                       g  $£103.12 - £3.87$ .

7. Sheena buys a lamp for £23.99 and 3 bulbs at £1.45 each.  
How much change should she receive from £30 ?



8. Mrs Todd bought two trays of plants at £12.89 each and 5 boxes of slug pellets at £0.85 each.



- a How much did it cost her in total ? (*Show all your working*).
- b She handed over a £20 note and six £2 coins.  
How much change did she get ?