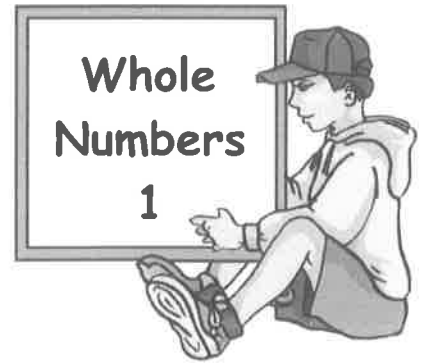


# CHAPTER 1

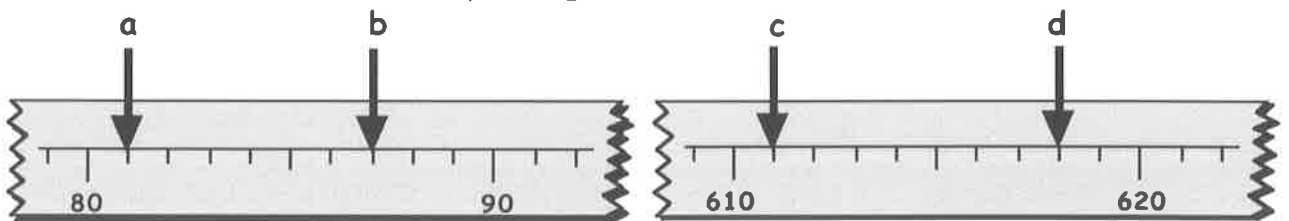


## Consolidation



- Write these numbers using **digits** :-  
a eighty                      b fifty seven                      c six hundred and seven.
- Write these numbers in **words** :-  
a 77                      b 108                      c 543                      d 111.
- Put these numbers in order, starting with the **largest** :-  
237, 378, 472, 504, 369, 428.

- What numbers are the arrows pointing to ?



- Write the number that comes :-  
a just after 479                      b five before 700                      c ten after 783.
- How many 1p coins will you get for :-  
six £1 coins, six 10p coins and five 2p coins ?
- How many £1 coins and how many 10p coins will you get for :-  
a 760p                      b 1230p                      c £8.60                      d £10.20 ?
- Ami went to the cinema with money in her purse.  
She had eight £1 coins, six 10p coins and nine 1p coins for juice and crisps.



- How much money in total did Ami have in her purse ?
- Sharon had one less of each coin than Ami.  
How much did Sharon have in total ?



## Exercise 1

1. What do the following **digits** stand for in the number 5482 :-

- a 4                                      b 8                                      c 2                                      d 5 ?

2. What does the **6** stand for in each of these numbers :-

- a 6158                                      b 2360                                      c 5416                                      d 8609 ?

3. Write out the following numbers **in words** :-

- a 8888                                      b 7691                                      c 5901                                      d 3020.

4. Write the following numbers **using digits** :-

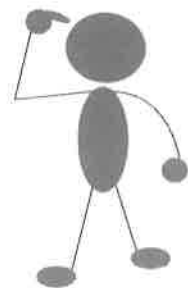
- a nine hundred and eighty seven                                      b six hundred and six  
c four thousand three hundred and one                                      d one thousand and seventy two.

5. Write down the number that is :-

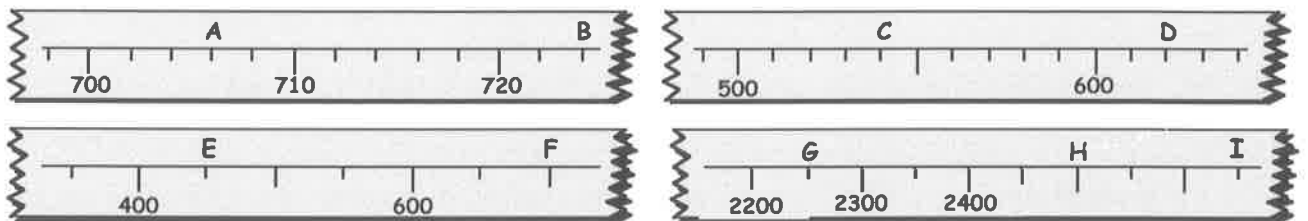
- a 10 after 790                                      b 500 after 590  
c 20 before 810                                      d 300 before 8800.

6. Put the following numbers in order, **smallest first** :-

- a 80, 62, 99, 70, 83, 75, 81, 41, 97.  
b 304, 305, 295, 285, 309, 310, 289, 302.  
c 6354, 6343, 6345, 6411, 6311, 7511, 5466, 6350.



7. What numbers do **A, B, C, ...** stand for in these scales :-



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

- a 100 and 500                                      b 640 and 1040                                      c 1225 and 1235 ?

## Exercise 2

1. Imagine the following numbers and decide what each one rounds to, (to the nearest 10). **Copy and complete** :-

- a 67 lies between 60 and ..... It is closer to .....
- b 346 lies between ..... and 350 It is closer to .....

2. **Copy** each of the following and round to the nearest 10 :-

- a 53 → .....      b 82 → .....      c 36 → .....      d 87 → .....
- e 312 → .....      f 186 → .....      g 513 → .....      h 685 → .....

3. Round each of the following to the nearest 10 :-

- a A plane carries 333 passengers.
- b The plane flies at 655 mph.
- c The plane takes 772 minutes for its flight.
- d The plane uses 9716 litres of fuel for the flight.



## Exercise 3

1. **Copy and complete** each calculation :-

a                     $56 + 38$   
*is about*  $60 + 40$   
= .....

b                     $349 + 149$   
*is about*    ... + ...  
= .....

2. **Estimate (mentally)** :-

- a     $29 + 63$                     b     $47 + 99$                     c     $53 + 79$                     d     $171 + 103$
- e     $73 - 29$                     f     $142 - 67$                     g     $252 - 97$                     h     $861 - 459$ .

3. In a prize draw, 4 girls won tickets to a film premier.

Each ticket was worth £119.

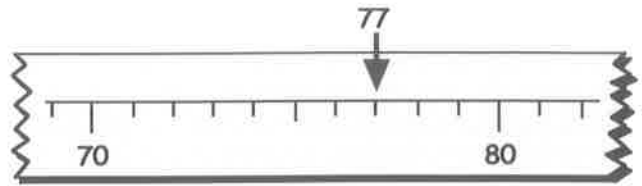
**Estimate** the total worth of the tickets.



## Revision Exercise

1. Look at this part of a number line.

Estimate what the number 77 rounds to, to the nearest 10.



2. Round each of these numbers to the nearest 10 :-

a 82                      b 48                      c 136                      d 455.

3. Jackie collected 377 Teddy Bears when she was young. Recently, she decided to donate 278 of them to charity. Estimate to the nearest 10, how many bears she kept.



4. James scored 347 points on Friday, 107 on Saturday and 529 points on Sunday on his War Challenge computer game.

Estimate to the nearest 10, how many points he scored in total.

- 5.



An army chef has a total of 763 potatoes. He uses 558 of them for dinner. The rest he uses for lunch the next day.

Estimate how many potatoes are for lunch.

6. Write these numbers using digits :-

a three hundred and forty one                      b eight thousand and sixty.

7. Write these numbers in words :-

a 57                      b 715                      c 2109                      d 1010.

8. Write the number that comes :-

a just after 499                      b just before 800                      c ten after 794.

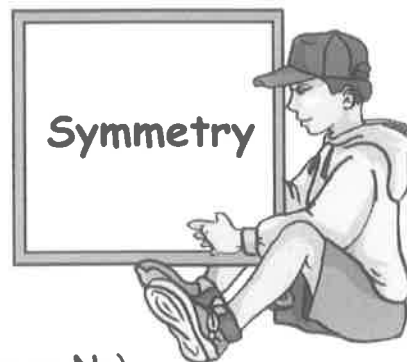
9. What does the 6 stand for in these numbers :-

a 462                      b 3678                      c 6941?

10. Write the numbers below in order, starting with the smallest :-

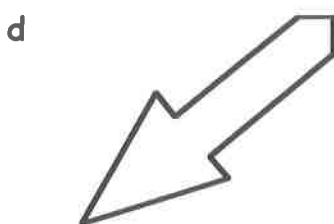
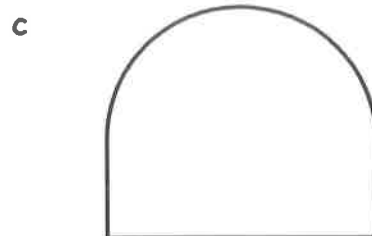
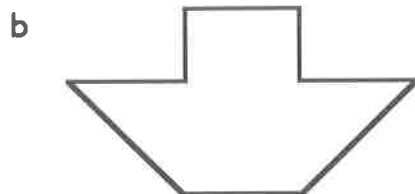
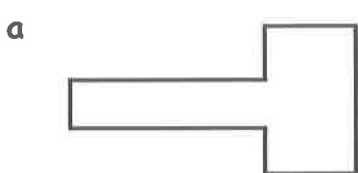
476, 4021, 468, 4001, 3102, 503.

# CHAPTER 2



## Consolidation

1. Do these shapes or pictures have **symmetry**? (Write **Yes** or **No**).

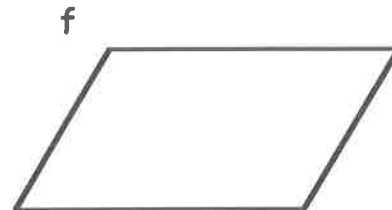
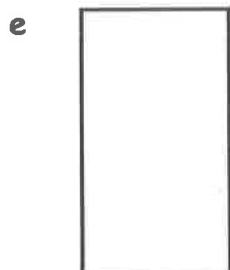
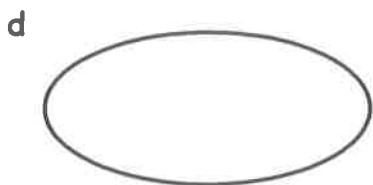
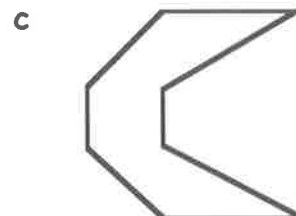
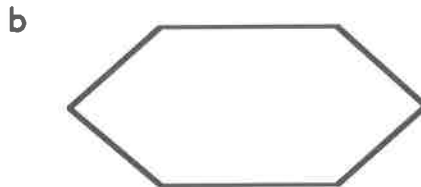
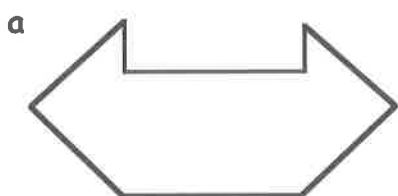


2. Write down 3 things in your house that have **symmetry**.

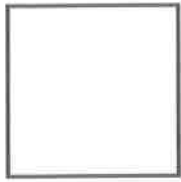
3. Draw a picture of a robot that is **symmetrical**.

## Exercise 1

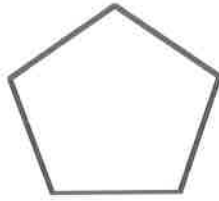
1. Draw (or trace) each shape and mark any lines of **symmetry**.



1. g



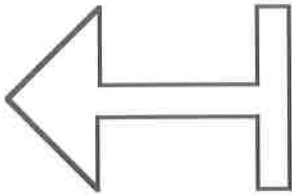
h



i



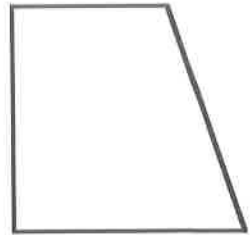
j



k



l

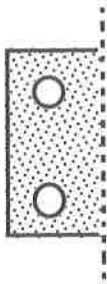


2. Write down how many lines of symmetry each shape in question 1 (a to l) has.

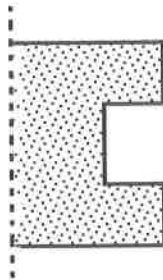
### Exercise 2

1. Copy or trace each shape below and complete it so that the dotted line becomes a line of symmetry :-

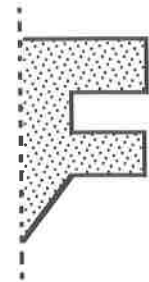
a



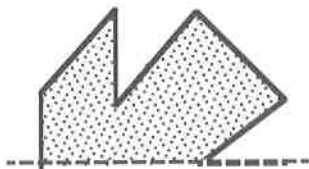
b



c



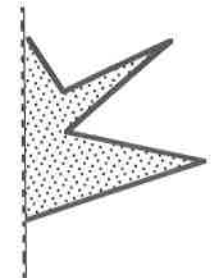
d



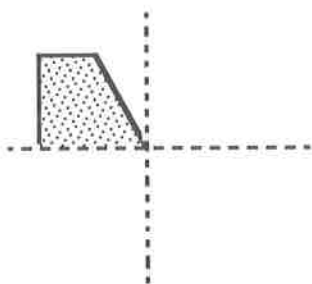
e



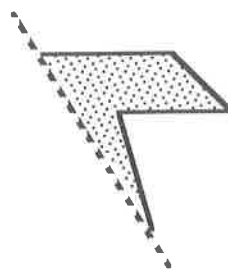
f



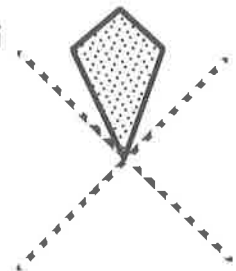
g



h

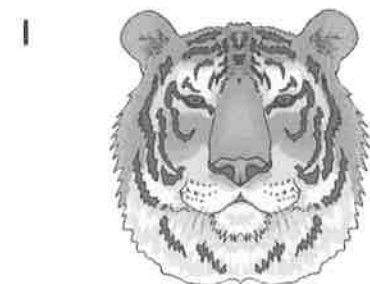
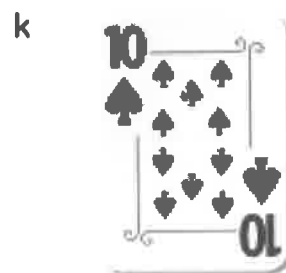
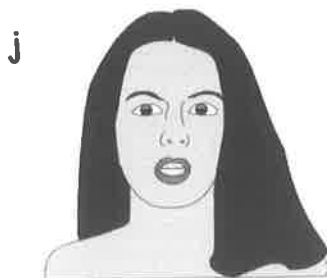
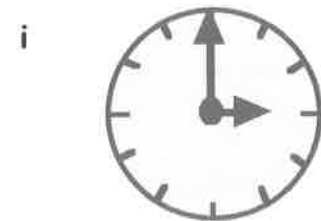
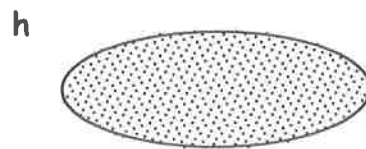
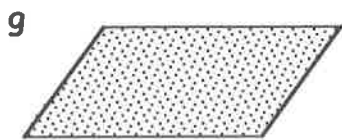
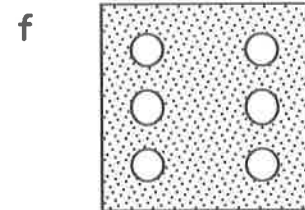
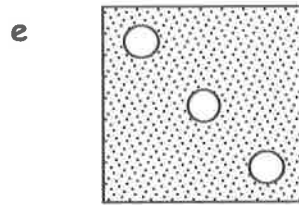
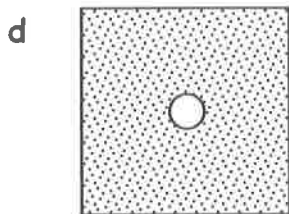
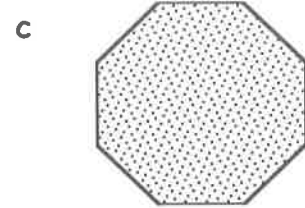
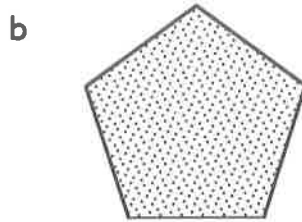
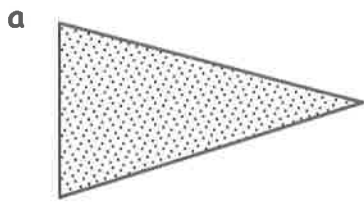


i

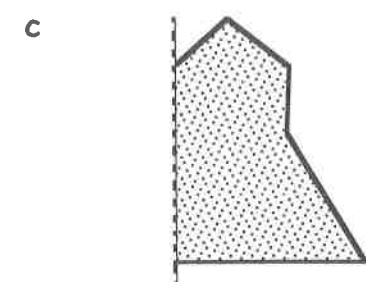
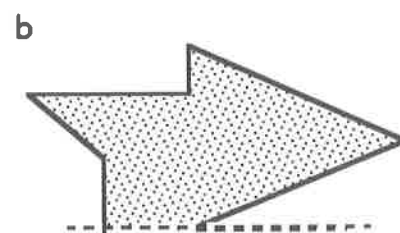
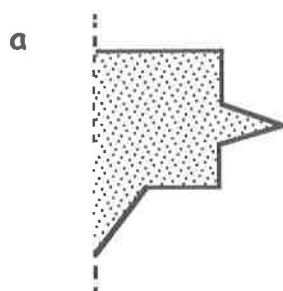


# Revision Exercise

1. Which of these shapes or pictures are symmetrical? (Write YES or NO).

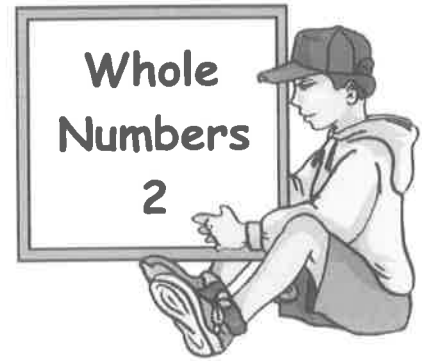


2. The symmetrical pictures below are only half completed. Make a neat copy or trace of each picture and complete it.



# CHAPTER 3

## Consolidation



1. Copy and work out :-

$$\begin{array}{r} \text{a} \quad 73 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b} \quad 78 \\ - 35 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \quad 154 \\ + 148 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d} \quad 764 \\ - 587 \\ \hline \end{array}$$

$$\text{e} \quad 54 + 62$$

$$\text{f} \quad 89 - 43$$

$$\text{g} \quad 428 + 265$$

$$\text{h} \quad 888 - 429$$

$$\begin{array}{r} \text{i} \quad 256 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j} \quad 172 \\ \times 3 \\ \hline \end{array}$$

$$\text{k} \quad 166 \times 2$$

$$\text{l} \quad 268 \times 3.$$

2. Paul the Plumber was quoting £341 to replace some bathroom pipes. Potters Plumbers were asking £467 for the same job.

How much dearer were Potters Plumbers ?

3. Hiring a function room for his wedding is costing Kevin either £965 for Hotel Donn or £777 for Hotel Dee.

Which is cheaper and by how much ?



4.



Last week, a car factory built 425 estate cars. This week they built 365 saloon cars.

a How many cars did they build in total ?

b How many more estate cars than saloon ?

5. The cost of a golf lesson is £28. Tiger books 3 lessons.

How much will this cost him in total ?



6.



A box of tea biscuits costs £2.10 and a packet of chocolate chip biscuits cost £4.

What would it cost for three boxes of tea biscuits and two packets of chocolate chip biscuits ?



## Exercise 1

1. Copy and complete :-

a  $4 \times 2 = \dots$

b  $4 \times 3 = \dots$

c  $4 \times 4 = \dots$

d  $4 \times 7 = \dots$

e  $4 \times 10 = \dots$

f  $4 \times 9 = \dots$

2. What numbers are missing ?

a  $4 \times \dots = 20$

b  $4 \times \dots = 24$

c  $4 \times \dots = 32$

3. Copy and complete :-

a 
$$\begin{array}{r} 14 \\ \times 4 \\ \hline \end{array}$$

b 
$$\begin{array}{r} 27 \\ \times 4 \\ \hline \end{array}$$

c 
$$\begin{array}{r} 43 \\ \times 4 \\ \hline \end{array}$$

4. Find :-

a  $21 \times 4$

b  $34 \times 4$

c  $57 \times 4$

d  $66 \times 4$

e  $101 \times 4$

f  $245 \times 4$

5. a There are 4 wheels on an ice-cream van.  
How many wheels are there on 45 vans ?



b



There are 37 tables, each with 4 legs, in a town hall.  
How many legs in total ?

## Exercise 2

1. Copy and complete :-

a  $5 \times 2 = \dots$

b  $5 \times 3 = \dots$

c  $5 \times 4 = \dots$

d  $5 \times 7 = \dots$

e  $5 \times 10 = \dots$

f  $5 \times 9 = \dots$

2. What numbers are missing ?

a  $5 \times \dots = 25$

b  $5 \times \dots = 40$

c  $5 \times \dots = 30$

3. Copy and complete :-

a 
$$\begin{array}{r} 31 \\ \times 5 \\ \hline \end{array}$$

b 
$$\begin{array}{r} 74 \\ \times 5 \\ \hline \end{array}$$

4. Find :-

a  $41 \times 5$

b  $47 \times 5$

c  $39 \times 5$

d  $55 \times 5$

e  $101 \times 5$

f  $234 \times 5$ .

5. a There are 5 pages in a road safety booklet.  
How many pages are there in 27 booklets ?



b



There are 78 starfish with 5 arms each.  
How many arms in total ?

### Exercise 3

1. Copy and complete :-

a  $10 \times 1 = \dots$

b  $10 \times 2 = \dots$

c  $10 \times 3 = \dots$

d  $10 \times 6 = \dots$

e  $10 \times 7 = \dots$

f  $10 \times 8 = \dots$

g  $10 \times 0 = \dots$

h  $10 \times 9 = \dots$

i  $10 \times 10 = \dots$

2. More numbers missing ! What are they ?

a  $10 \times \dots = 10$

b  $10 \times \dots = 70$

c  $10 \times \dots = 80$

d  $10 \times \dots = 20$

e  $10 \times \dots = 40$

f  $10 \times \dots = 50$

g  $10 \times \dots = 30$

h  $10 \times \dots = 60$

i  $10 \times \dots = 100$ .

### Exercise 4

1. Copy and complete :-

a 
$$\begin{array}{r} 71 \\ \times 10 \\ \hline \end{array}$$

b 
$$\begin{array}{r} 87 \\ \times 10 \\ \hline \end{array}$$

c  $23 \times 10$

d  $17 \times 10$ .

2. Find the missing numbers :-

a  $10 \times \dots = 260$    b  $10 \times \dots = 800$ .

3. a There are 24 DVD's in a pack. How many DVD's are in 10 packs ?

b How many sweets are in ten packs if each pack has 18 sweets ?

c There are ten years in a decade. How many years are in 20 decades ?

## Exercise 5

1. Copy and complete :-

$$\begin{array}{r} \text{a} \quad 204 \\ \quad \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b} \quad 413 \\ \quad \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \quad 326 \\ \quad \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d} \quad 543 \\ \quad \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e} \quad 985 \\ \quad \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f} \quad 548 \\ \quad \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g} \quad 187 \\ \quad \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h} \quad 888 \\ \quad \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i} \quad 987 \\ \quad \times 2 \\ \hline \end{array}$$

2. Set down as in Question 1 and find the answers :-

$$\text{a} \quad 345 \times 2$$

$$\text{b} \quad 807 \times 3$$

$$\text{c} \quad 435 \times 4$$

$$\text{d} \quad 333 \times 5$$

$$\text{e} \quad 757 \times 2$$

$$\text{f} \quad 796 \times 3$$

$$\text{g} \quad 4 \times 555$$

$$\text{h} \quad 468 \times 5$$

$$\text{i} \quad 10 \times 112.$$

3. a Marbles are sold in bags of 34. How many marbles are there in 4 bags ?  
b There are 234 ml in a bottle of juice. How many ml are there in 5 bottles ?  
c How many kg's are in 3 identical bags, if there are 134 kg in one bag ?

## Exercise 6

1. Copy and complete :-

$$\begin{array}{r} \text{a} \quad 37 \\ \quad \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b} \quad 123 \\ \quad \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \quad 234 \\ \quad \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d} \quad 407 \\ \quad \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e} \quad 476 \\ \quad \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f} \quad 987 \\ \quad \times 3 \\ \hline \end{array}$$

2. Find :-

$$\text{a} \quad 43 \times 2$$

$$\text{b} \quad 65 \times 3$$

$$\text{c} \quad 66 \times 4$$

$$\text{d} \quad 236 \times 5$$

$$\text{e} \quad 543 \times 10$$

$$\text{f} \quad 706 \times 5$$

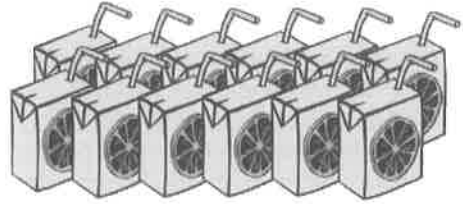
$$\text{g} \quad 4 \times 545$$

$$\text{h} \quad 3 \times 718$$

$$\text{i} \quad 511 \times 10.$$

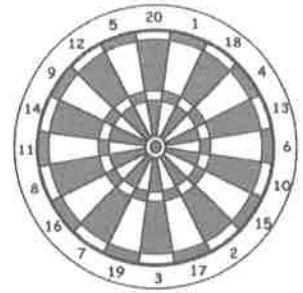
3. a Sara buys 4 blouses at £32 each. How much did she pay in total ?  
 b Ari gets paid £13 per hour. How much will he be paid for 5 hours ?  
 c A plane can hold 227 passengers. How many passengers can 4 planes hold ?

4. There are 12 cartons of juice in a pack.  
 There are 3 packs in a box.  
 How many cartons are in 4 boxes ?



### Exercise 7

1. What is :-  
 a double 9                      b double 13                      c double 19 ?
2. What is :-  
 a treble 8                      b treble 15                      c treble 18 ?
3. What is double (double 25) ?



### Revision Exercise

1. Copy and complete :-  
 a  $4 \times 7 =$                       b  $2 \times 57 =$                       c treble 29 = .
2. Copy and complete :-  
 a  $\begin{array}{r} 78 \\ \times 5 \\ \hline \end{array}$                       b  $\begin{array}{r} 176 \\ \times 4 \\ \hline \end{array}$                       c  $984 \times 3.$
3. a There are 14 biscuits in a packet. How many biscuits are in 4 packets ?  
 b How many sweets are in 10 bags if one bag holds 123 sweets ?  
 c How many metres will Tina run over five laps, if one lap is 246 metres ?
4. Amy has saved £126. Jack has saved **double** the amount of Amy.  
 Jill has saved **treble** the amount of Jack.  
 a How much has Jill saved ?  
 b How much have they all saved in total ?



# CHAPTER 4

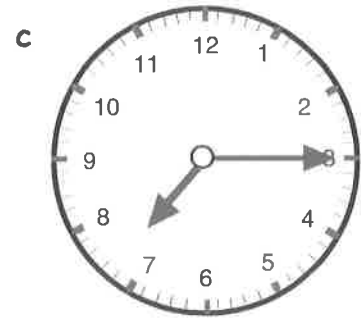
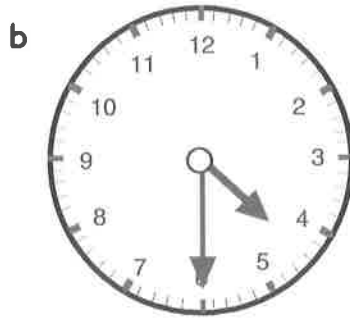
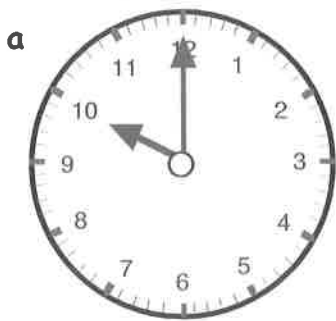


## Consolidation

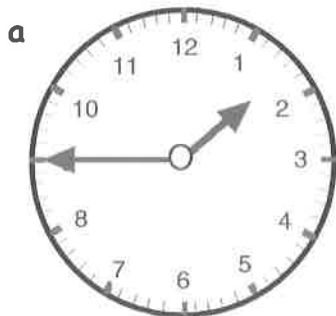


- What day is 3 days **after** Wednesday ?
  - What day is 2 days **before** Saturday ?
  - What is the month just **after** April ?
  - What month is 2 months **before** November ?
  - Name the **9th** month of the year.
  - What time is it 4 hours **after** quarter past nine at night ?

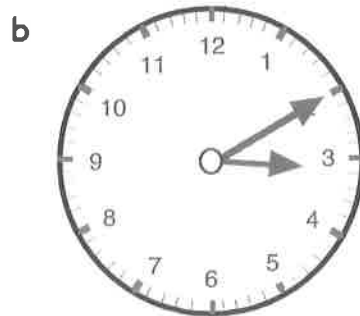
2. Write the time shown on each clock :-



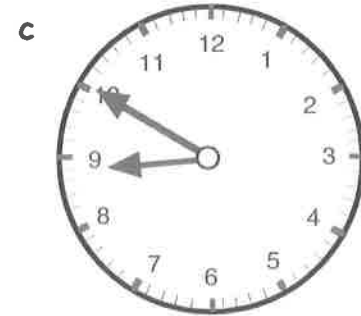
3. Write the time on each clock in 2 ways :-  
(Example - quarter past 7 or 7.15 pm)



*morning*



*afternoon*



*evening*

- I went cycling at two o'clock and cycled for 4 hours.  
At what time did I finish my journey ?
  - My six hour train journey finished at five o'clock.  
When did my journey start ?

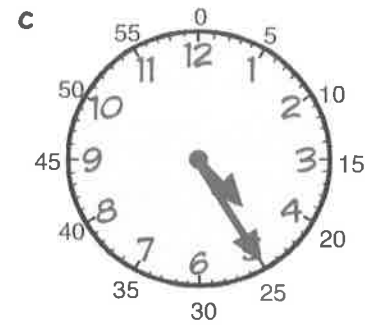
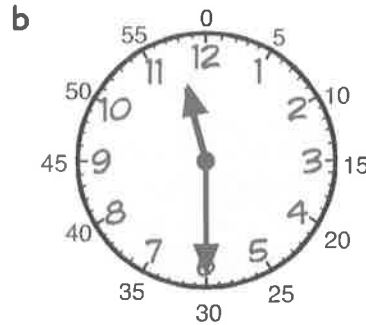
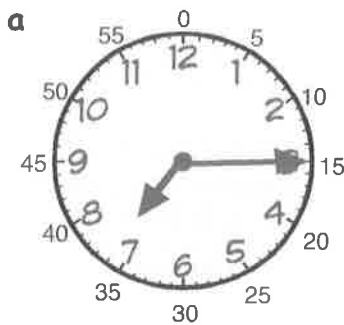


## Exercise 1

1. Write the time shown on each clock using words :-



2. Draw a **digital clock** to show the **same** time as each of the following :-



d quarter to six

e half past nine

f quarter past one

g ten past four

h five to five

i twenty past two.

## Exercise 2

1. Write down each of the following times using am or pm :-

a half past three in the afternoon

b quarter to six in the morning


c ten to six in the evening


d five past midnight.



2. Write each of the following times using *morning*, *afternoon*, *evening* or *night*.

a 

b 

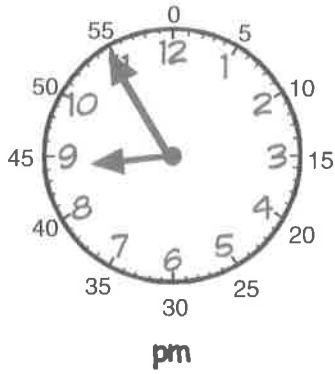
c 

d Baz left for school at quarter to nine.

e A train left the station at ten past seven last night.

f Children's NewsRound on TV starts at five to five.

2. g



h



i



### Exercise 3

- How long is it from 4 o'clock to 7 o'clock?
  - How long is it from noon to 5 o'clock?
  - How long is it from 10 o'clock to 4 o'clock?
  - How long is it from 9 o'clock to 7 o'clock?
- How long is it from half past 2 to half past 6?
  - How long is it from half past 7 to half past 11?
  - How long is it from quarter past 4 to quarter past 6?
  - How long is it from 8:25 am to 11:25 am?
  - How long is it from 5:40 pm to 10:40 pm?
- A radio clock is as shown.
  - What time does the clock on the radio read?
  - DJ Jimmy starts at quarter to two.  
How many minutes until DJ Jimmy begins?
  - DJ Jimmy works for 30 minutes.  
At what time does DJ Jimmy finish?
  - When DJ Jimmy finishes, Sport Radio starts and lasts for 1 hour and 30 minutes.  
At what time does Sport Radio end?



## Exercise 4

1. The regional swimming finals times are shown.

a Write down the starting time for the :-

- (i) 100 m race      (ii) 200 m race  
(iii) 50 m relay      (iv) 50 m race.

b It is noon. How long do I have to wait to see the 200 m relay ?

### Regional Swim Finals

50 m	10:50 am
100 m	11:05 am
50 m relay	11:25 am
100 m relay	11:55 am
200 m	12:25 pm
200 m relay	1:00 pm

2. A Movie timetable is as shown.

a Write down the starting time for :-

- (i) The Count  
(ii) Max 2  
(iii) Physix.


b What is showing at :-

- (i) 5 pm  
(ii) 7.45 pm  
(iii) midnight ?

c How long does *Physix* last ?

### MovieTime Channel

1:05 pm	JellyMan
3:05 pm	WarGame
4:35 pm	The Count
6:35 pm	News
7:00 pm	Max 1
8:30 pm	Max 2
10:00 pm	Multiply
11:00 pm	Sums & Daughters
01:00 am	Physix
03:45 am	DeathStar
05:00 am	Close



## Exercise 5

1. Change each of these times to 24 hour clock times :-

- a 4 am                      b 11 am                      c 2 pm                      d 10 am  
e 10 pm                      f 8 pm                      g 5 pm                      h 7:30 pm.

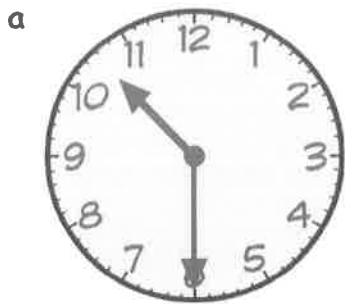
2. Write each of these times in 12 hour notation (using am or pm) :-

- a 1100                      b 0300                      c 1600                      d 2100  
e 1800                      f 0900                      g 1010                      h 0001.

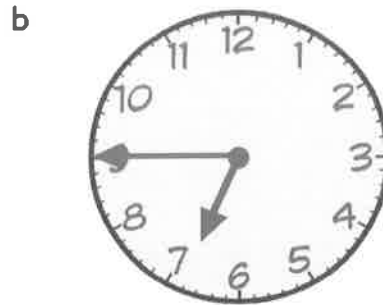


## Revision Exercise

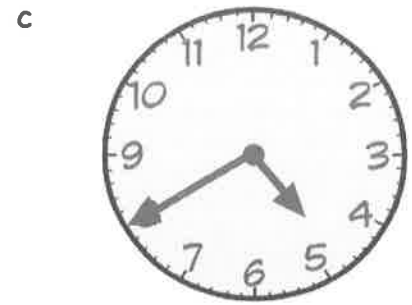
1. Write these clock times in two different ways :-



in the morning



in the evening



in the afternoon



at night



in the morning



in the afternoon

2. Shown below is part of a bus timetable.

Inverness	→	Aberdeen	→	Dundee	→	Edinburgh	→	Glasgow
10·45 am		11·55 am		.....		1·45 pm		.....

a At what time did the bus leave Aberdeen ? (Answer in words).

b The bus arrived in Dundee at five minutes past one.

Write this time using am/pm.

c The bus took 1 hour exactly to get from Edinburgh to Glasgow.

At what time did the bus arrive in Glasgow ?

d How long did the bus take from Inverness to Glasgow ?



3. Change each of these times to **24 hour** form :-

a 6 am

b 2 pm

c 10 pm

d 11 am

e 6 pm

f 5.30 pm.

4. Change each of these times to **12 hour** form :-

a 0400

b 1500

c 1900

d 1000

e 2330

f 1745.