Cumbernauld Academy

Mathematics Department

1st/2nd Level

Block 1 - homework booklet

Name _____

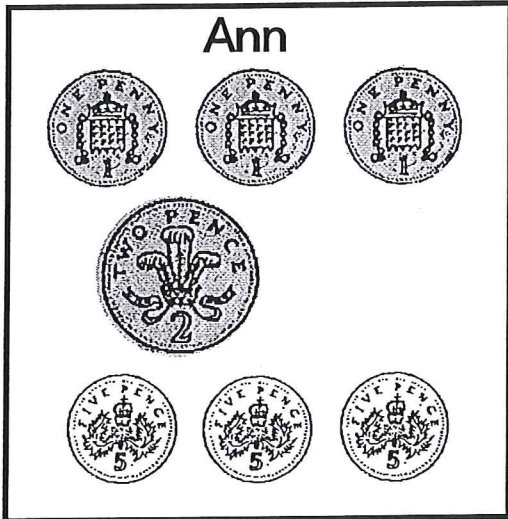## Homework Sheets
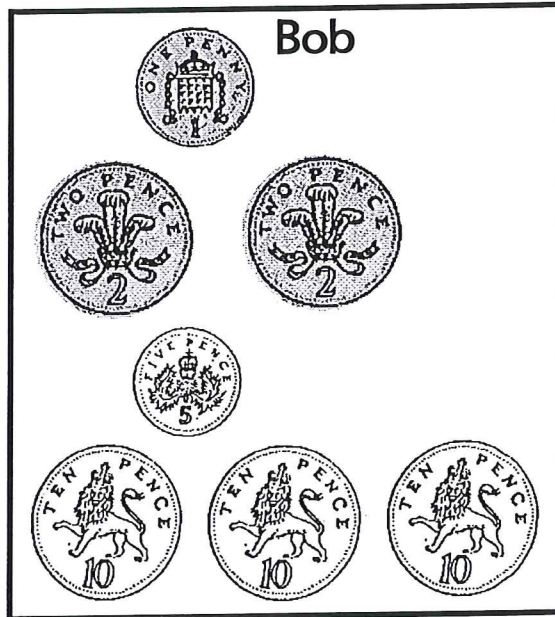### Money No. 4a

name ....
date due back ....
signed .... score ....

1. (a) Five children empty their pockets.

Ann

Ann has 20p or £0·20.

Bob

(a) Bob has ☐ p or £0· ☐ .

Kim

(b) Kim has ☐ p or £0· ☐ .
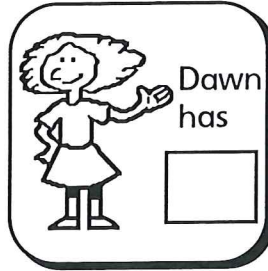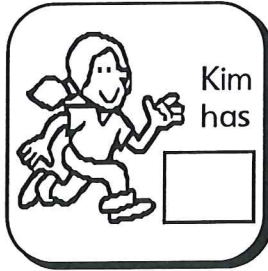
Dawn

(c) Dawn has ☐ p or £0· ☐ .

Ron
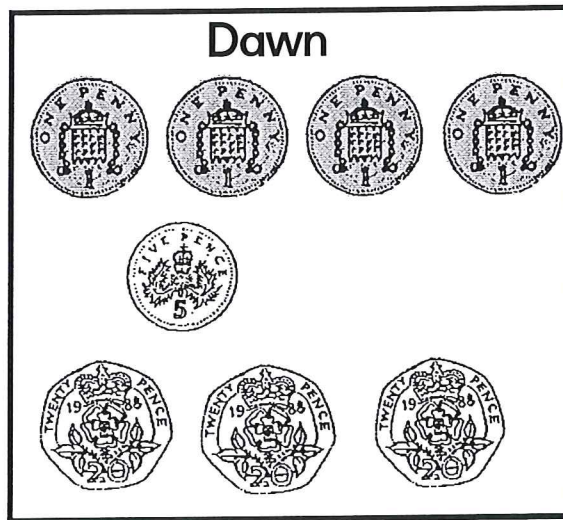
(d) Ron has ☐ p or £0· ☐ .

(e) Bob has ☐ p more than Ann.

(f) Dawn has ☐ p more than Bob.

Page 1

Chocolate Mints 50 p

ORANGE JUICE 30 p
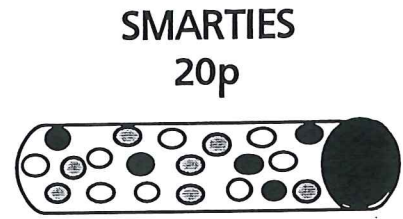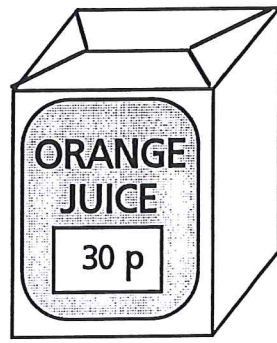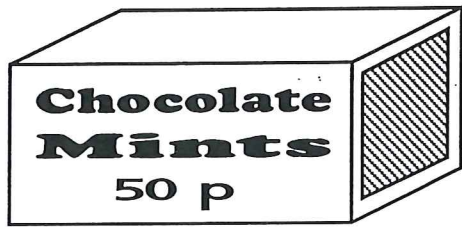
SMARTIES 20p

2. From the previous page, copy what each pupil has.

Ann has [ ]

Bob has [ ]

Kim has [ ]

Dawn has [ ]

Ron has [ ]

(a) Ann can only buy the [ ]

(b) Bob can buy the [ ] or the [ ]

(c) Kim can buy the chocolate mints _and_ the [ ]

(d) Dawn buys juice _and_ smarties

She has [ ] p left

(e) Kim and Ann add their money together.

They have £ [ ]

(f) All the children add their money together.

They have £ [ ]

(g) They can buy [ ] boxes of chocolate mints.

(h) They would have [ ] p left.

name ....

date due back ....

signed .... score ....

I. Five children empty their pockets.

Fran

Fran has 300p or £3·00.

James

(a) James has [ ] p or £ [·] .

Gary

(d) Gary has [ ] p or £ [ ] .

Lucy

Sue
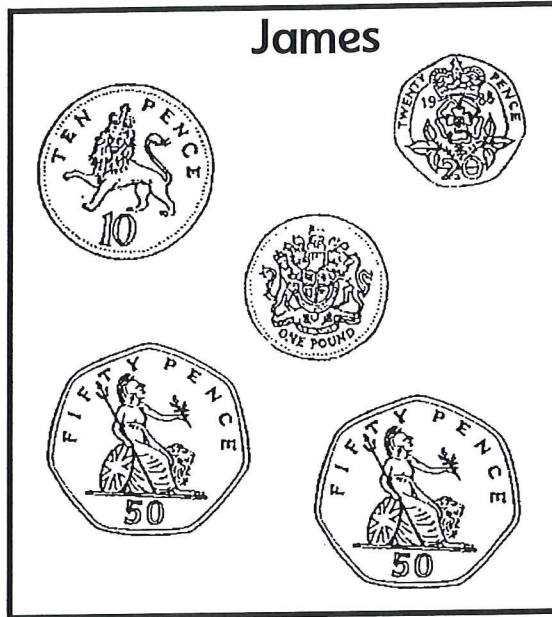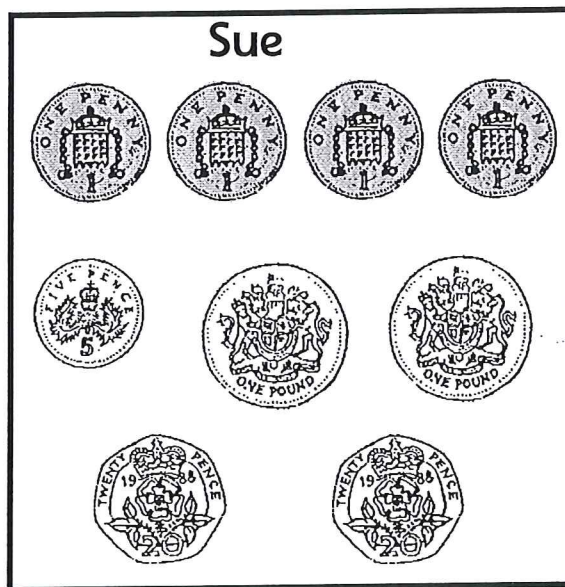
(c) Sue has [ ] p or £ [ ] .

(b) Lucy has [ ] p or £ [ ] .

(e) Lucy has [ ] p less than James.

(f) Gary has [ ] p more than Fran.
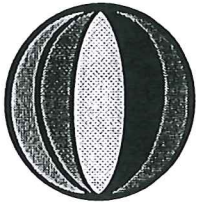
Beachball	Golf ball	A box of 6 tennis balls	Football

£1·99   £3·75   £9·99   £25

2.   From the previous page, copy what each pupil has.
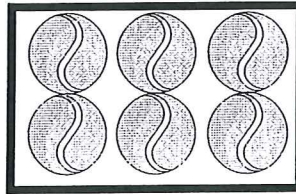
Fran has	James has	Lucy has	Sue has	Gary has

(a) Which of the children cannot afford the beachball ?

(b) Who is the only child who can afford the golf ball ?

(c) Fran and James put their money together.

They have £ _____ in total

(d) Fran and Lucy buy the golf ball with their money.
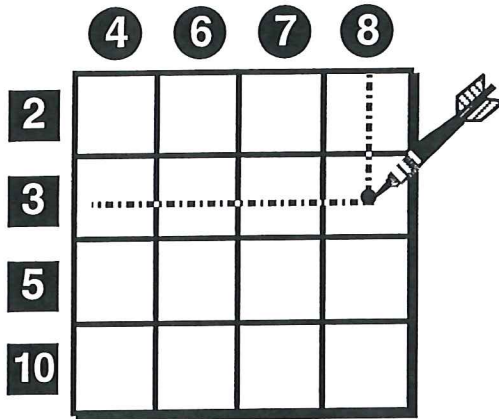
They get £ _____ in change

(e) All the children add their money together.

They have £ _____ in total.

(f) If they buy the tennis balls, they would still have £ _____ left.

(g) They still cannot buy the football.

They still need £ _____ .
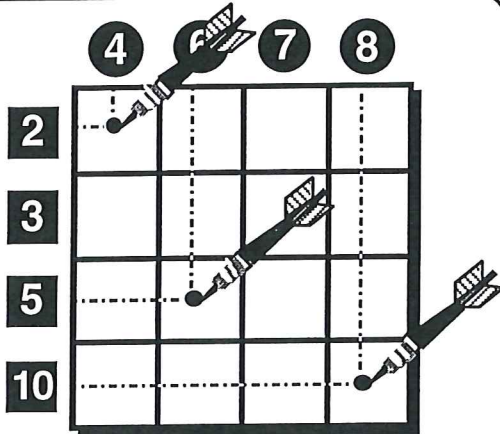
(h) How much do the girls have altogether ?

£ _____

Square Dartboard

The rule here is :-

If you land on this square you score

3 x **8** = 24

David's Throw

David scored

2 x 4 = 8

5 x 6 = ☐

10 x 8 = ☐

Total = ☐

Laura's Throw

Laura scored

2 x ☐ = 14

5 x ☐ = ☐

☐ x ☐ = ☐
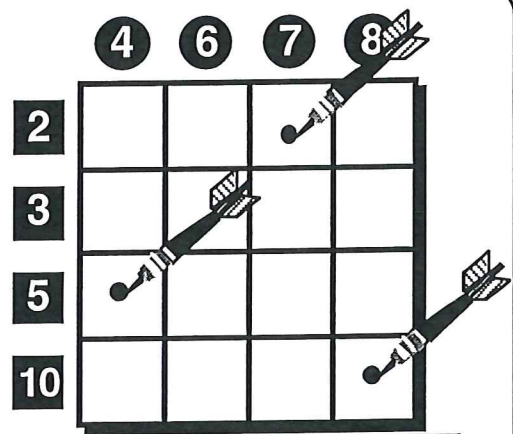
Total = ☐

Mary's Throw

Mary scored

2 x 7 = 14
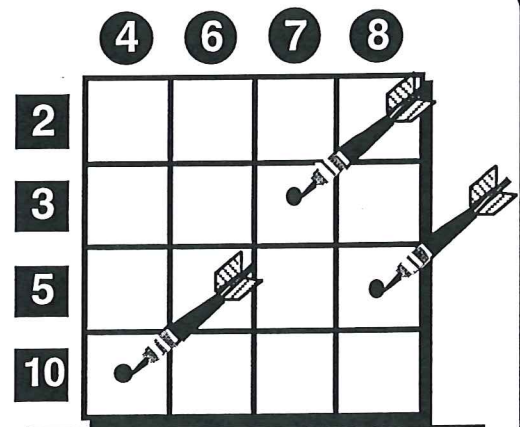
☐ x ☐ = ☐

☐ x ☐ = ☐

Total = ☐

Ed's Throw

Ed scored

1. There are 24 chocolates in a box.

   The chocolates are shared between 6 people.

   Each person will get ☐ chocolates.
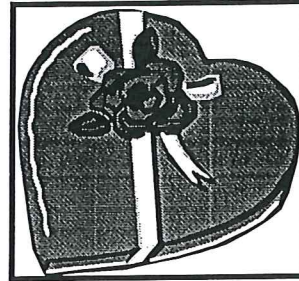
   no calculator

2. Another box with 24 chocolates is shared between 5 people.

   (a) Each person will get ☐ chocolates.

   (b) There will be ☐ chocolates left over.

3. How much will each person get ?

   (a) The lottery prize is £300. There are 3 winners.   Each person gets £ ☐

   (b) The lottery prize is £150. There are 5 winners.   Each person gets £ ☐

   (c) The lottery prize is £800. There are 10 winners.   Each person gets £ ☐
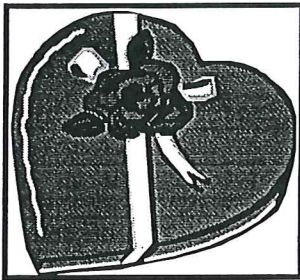
4. The Top Club Bingo prize is £1000.

   (a) If 2 people win it, how much will each receive ?   £ ☐

   (b) If 4 people win it, how much will each receive ?   £ ☐

   (c) If 5 people win it, how much will each receive ?   £ ☐

   (d) If 10 people win it, how much will each receive ?   £ ☐

   (e) If 20 people win it, how much will each receive ?   £ ☐

   TOP CLUB

   PRIZE £1000

5.

> Four hundred and sixty two can be written as   462
>
> Eight hundred and one can be written as   801
>
> 4021 can be written as four thousand and twenty one

Complete the following :–

(a)   Four hundred and thirty nine can be written as   [   ]

(b)   Two hundred and ninety nine can be written as   [   ]

(c)   Six hundred and seven can be written as   [   ]

(d)   Five hundred and nine can be written as   [   ]

(e)   Eight thousand seven hundred and sixty five can be written as   [   ]

(f)   One thousand and ninety one can be written as   [   ]

(g)   Seven thousand six hundred and ninety three can be written as   [   ]

(h)   Three thousand and eleven can be written as   [   ]

(i)   Four thousand and one can be written as   [   ]

(j)   Nine thousand two hundred and three can be written as   [   ]

(k)   Seven thousand and eight can be written as   [   ]

(l)   761 can be written as   [   ]

(m)   905 can be written as   [   ]

(n)   890 can be written as   [   ]

(o)   4510 can be written as   [   ]

(p)   6040 can be written as   [   ]

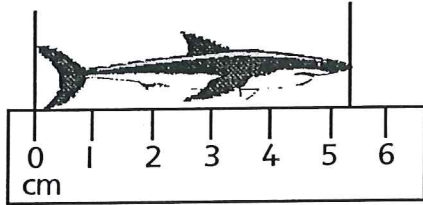(q)   8104 can be written as   [   ]

(r)   9003 can be written as   [   ]

name ....

date due back ....

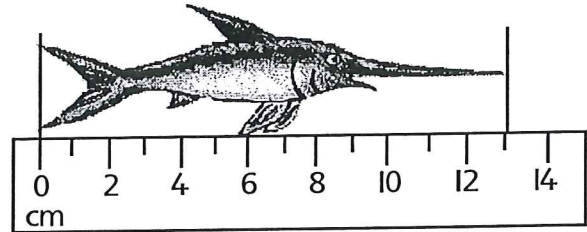signed .... score ....

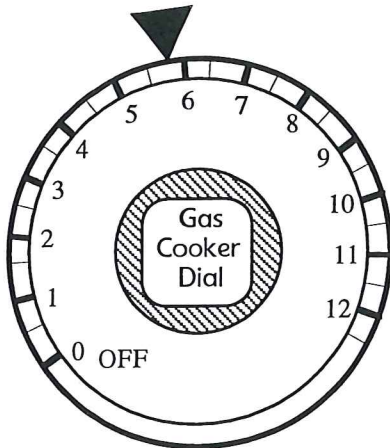I.   Write down your answer to the NEAREST WHOLE NUMBER :-

(a)

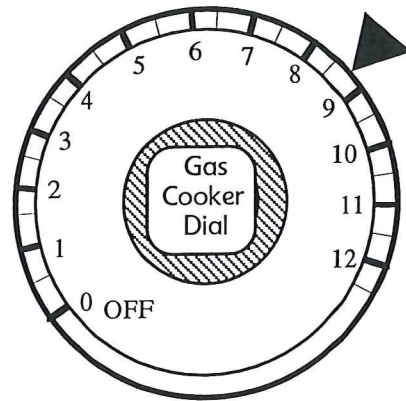The length of the shark is [ ] cm.
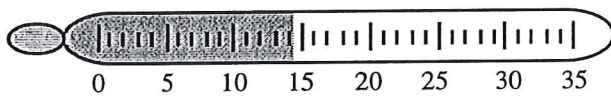
(b)

The length of the sword fish is [ ] cm.
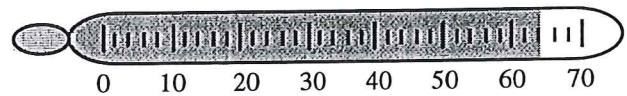
(c)

Setting is at Gas Mark [ ]
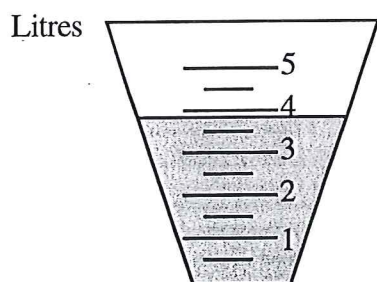
(d)

Setting is at Gas Mark [ ]

(e)

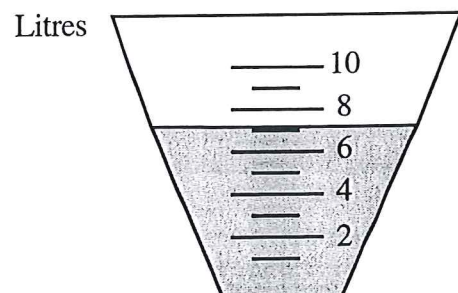The temperature is at [ ] °C

(f)

The temperature is at [ ] °C

(g)

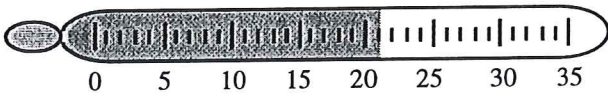The container holds [ ] litres

(h)

The container holds [ ] litres

2. Write down your answer to the NEAREST 5°C.

(a)

The temperature is at ☐ °C

(not 21°C)

(b)
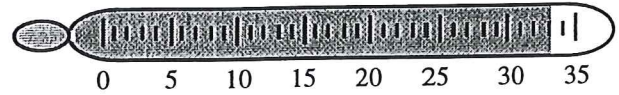
The temperature is at ☐ °C

3. Write down your answer to the NEAREST 10 MARK.

(a)

Miles per hour

☐ m.p.h.

(b)

Kilometres per hour
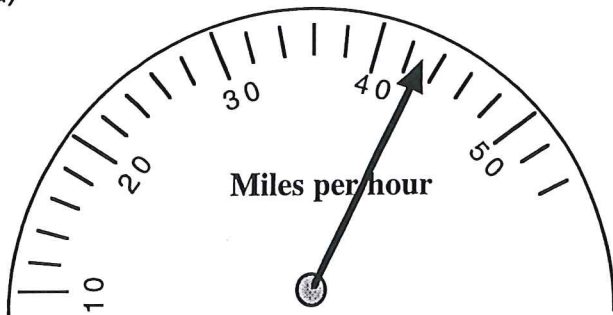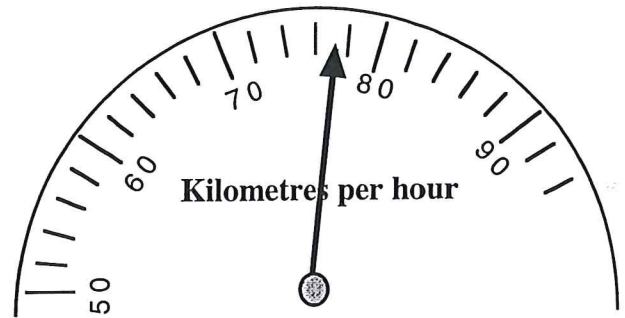
☐ km/hr

4. Write down your answer to the NEAREST £1.

(a) £3·24 = £ ☐

(b) £8·88 = £ ☐

(c) £6·51 = £ ☐

(d) £19·80 = £ ☐

5. ROUND your answer to the NEAREST £10.

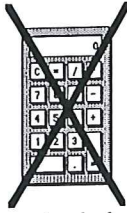(a) £81 = £ ☐

(b) £47 = £ ☐

(c) £25 = £ ☐

(d) £96 = £ ☐

(e) £553 = £ ☐

(f) £147 = £ ☐

page 9

name ....

date due back ....

signed .... score ....

no calculator

1. ADD the following :-

(a)
```
    6·1
  + 2·6
```

(b)
```
    4·2
  + 5·3
```

(c)
```
    6·5
  + 1·6
```

(d)
```
    5·2
  + 2·9
```

(e)
```
    8·6
  + 1·9
```

(f)
```
   12·6
 + 10·4
```

2.

5·5 km

Beetown

4·3 km

2·8 km

Ceetown
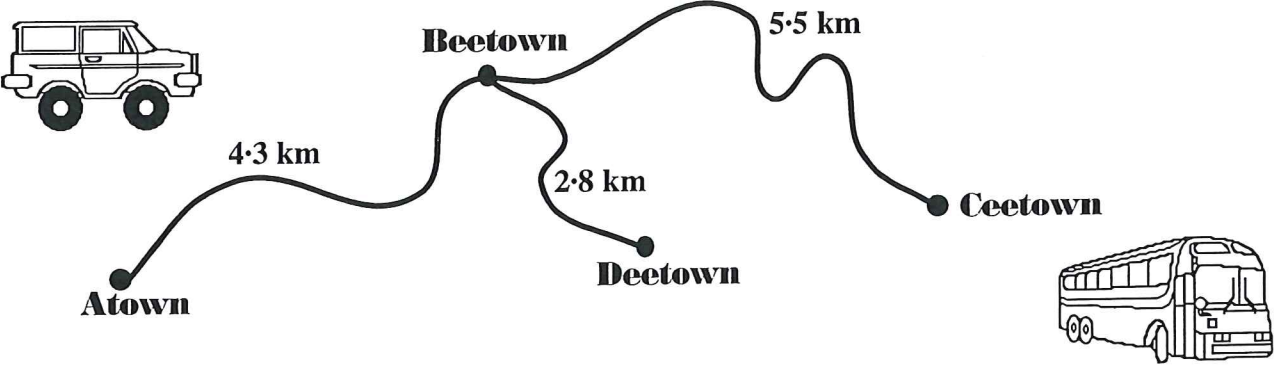
Deetown

Atown

(a) The distance from Atown to Ceetown

```
    4·3
  + 5·5
```
km

(b) The distance from Atown to Deetown

```
+
```
km

3. SUBTRACT :-

(a)
```
    5·8
  − 2·6
```

(b)
```
    4·9
  − 2·3
```

(c)
```
    8·5
  − 2·6
```

(d)
```
    7·7
  − 6·9
```

(e)
```
   22·4
  − 1·6
```

(f)
```
   24·1
 − 18·9
```

4. Two toy vans are shown below.

8·2 cm

A

12·1 cm

B
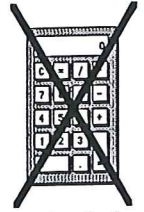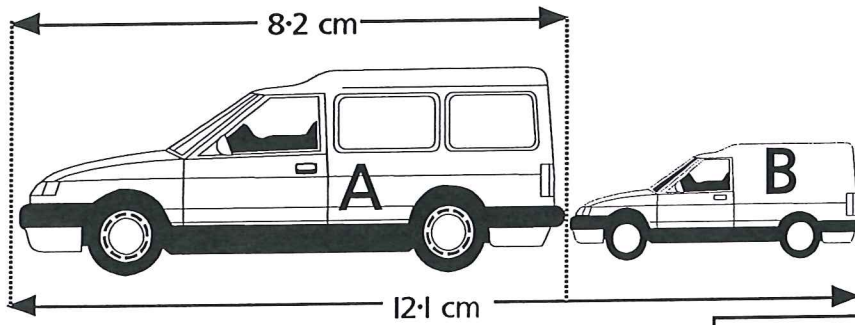
Calculate the length of van B.

Show ALL working !

5. Calculate :-

(a)
£3·27
+ £2·42

(b)
£8·12
+ £2·49

(c)
£9·24
− £7·18

(d)
£1·24
+ £1·77

(e)
£8·27
+ £1·73

(f)
£5·82
+ £3·61

(g)
£8·63
− £1·25

(h)
£12·91
− £1·29

(i)
£12·21
− £8·22

6. (a) Jon bought a comic for £2·25 and a sandwich for £1·87.
How much did he spend altogether ?

working

£2·25
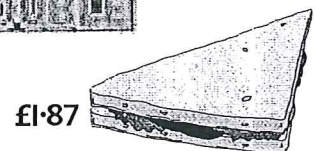
£1·87

(b) If Jon gave the shopkeeper a £10 note,
how much change did he get ?

working

name ....
date due back ....
signed .... score ....

no calculator

1. MULTIPLY :-

(a) $8 \cdot 2 \times 1 =$

(b) $17 \cdot 8 \times 1 =$

(c) $13 \cdot 7 \times 10 =$

(d) $54 \cdot 8 \times 10 =$

(e) $81 \cdot 76 \times 10 =$

(f) $5 \cdot 26 \times 10 =$

(g) $4 \cdot 16 \times 100 =$

(h) $8 \cdot 05 \times 100 =$

(i) $5 \cdot 512 \times 100 =$

(j) $0 \cdot 01 \times 100 =$

2. DIVIDE :-

(a) $55 \div 1 =$

(b) $83 \cdot 1 \div 10 =$

(c) $376 \div 10 =$

(d) $526 \div 10 =$

(e) $276 \div 100 =$

(f) $3765 \div 100 =$

3. MULTIPLY :-

(a)
$$\begin{array}{r} 21 \cdot 3 \\ \times\ 3 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 11 \cdot 4 \\ \times\ 2 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 3 \cdot 14 \\ \times\ 4 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 8 \cdot 63 \\ \times\ 2 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 5 \cdot 27 \\ \times\ 3 \\ \hline \end{array}$$

(f)
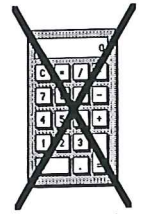$$\begin{array}{r} 5 \cdot 19 \\ \times\ 5 \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 11 \cdot 23 \\ \times\ 6 \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 5 \cdot 08 \\ \times\ 7 \\ \hline \end{array}$$

(i)
$$\begin{array}{r} 0 \cdot 98 \\ \times\ 6 \\ \hline \end{array}$$

4. DIVIDE :-

(a) $2\overline{)18{\cdot}6}$ **9·...**

(b) $3\overline{)18{\cdot}6}$

(c) $4\overline{)4{\cdot}88}$

(d) $2\overline{)5{\cdot}06}$

(e) $6\overline{)24{\cdot}6}$

(f) $7\overline{)15{\cdot}4}$

(g) $8\overline{)33{\cdot}6}$

(h) $9\overline{)23{\cdot}4}$ no calculator

5. Answer the following showing all your working in the answer boxes provided.

(a) One book costs £3·65. How much will four cost ?

working	Divide or multiply ?
	answer
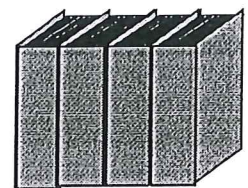
(b) A bunch of 5 bananas costs £1·55. How much is it for each banana ?

working	Divide or multiply ?
	answer

(c) A box of chocolates costs £2·49. How much do 3 boxes cost ?

working	Divide or multiply ?
	answer
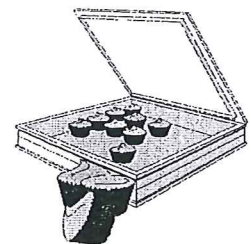
(d) Six crates have a total length of 25·8 metres.
How long is each crate ?

working	Divide or multiply ?
	answer

25·8 m
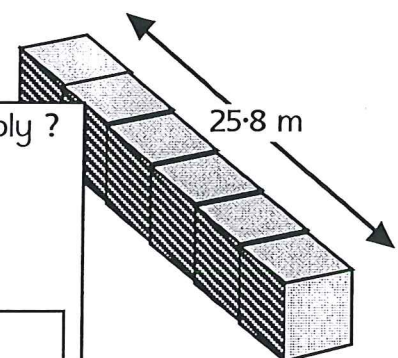
1. Toys have been left in John's room.
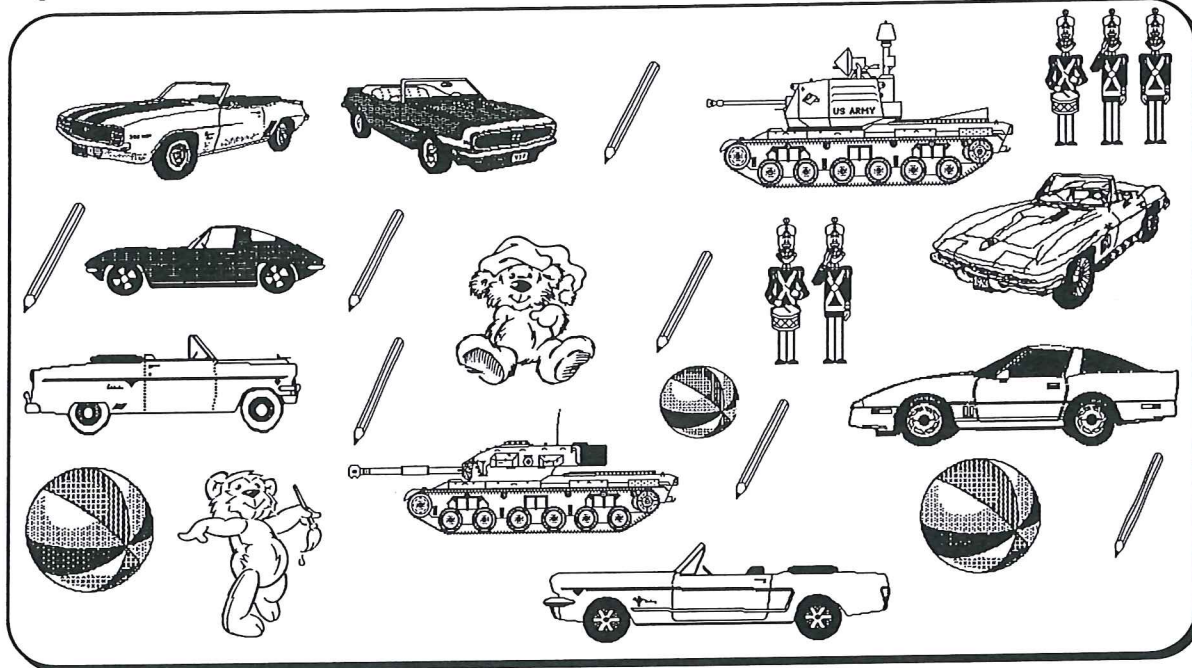
Complete the table.

Toy	Number of toys	Toy	Number of toys
(a) Teddy bears		(d) Pencils	
(b) Cars		(e) Soldiers	
(c) Balls		(f)	

2. A first year class make a tally-table of the traffic which passes outside their school.

Complete the total number of tally marks.
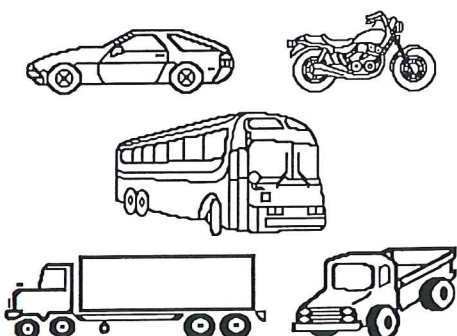
Traffic	Tally Marks	Total
Cars	THL THL THL III	
Buses	THL III	
Trucks	IIII	
Vans	THL THL I	
Motor-bikes	II	
	Traffic Total	

The class also make a tally-table of the colours of the traffic.

3. Complete the tally marks and enter the total.

Traffic	Tally Marks	Total
(a) White		16
(b) Blue	~~TTTT~~ I	6
(c) Green		10
(d) Red		12
(e) Black		4
	Traffic Total	

4. A second year class carried out a survey about their pets.

The bar chart below shows the result of the survey.

Pets in 2A

Number of Pupils / Type of Pet: Cat, Dog, Rabbit, Fish, Snake
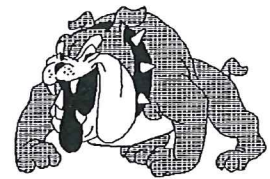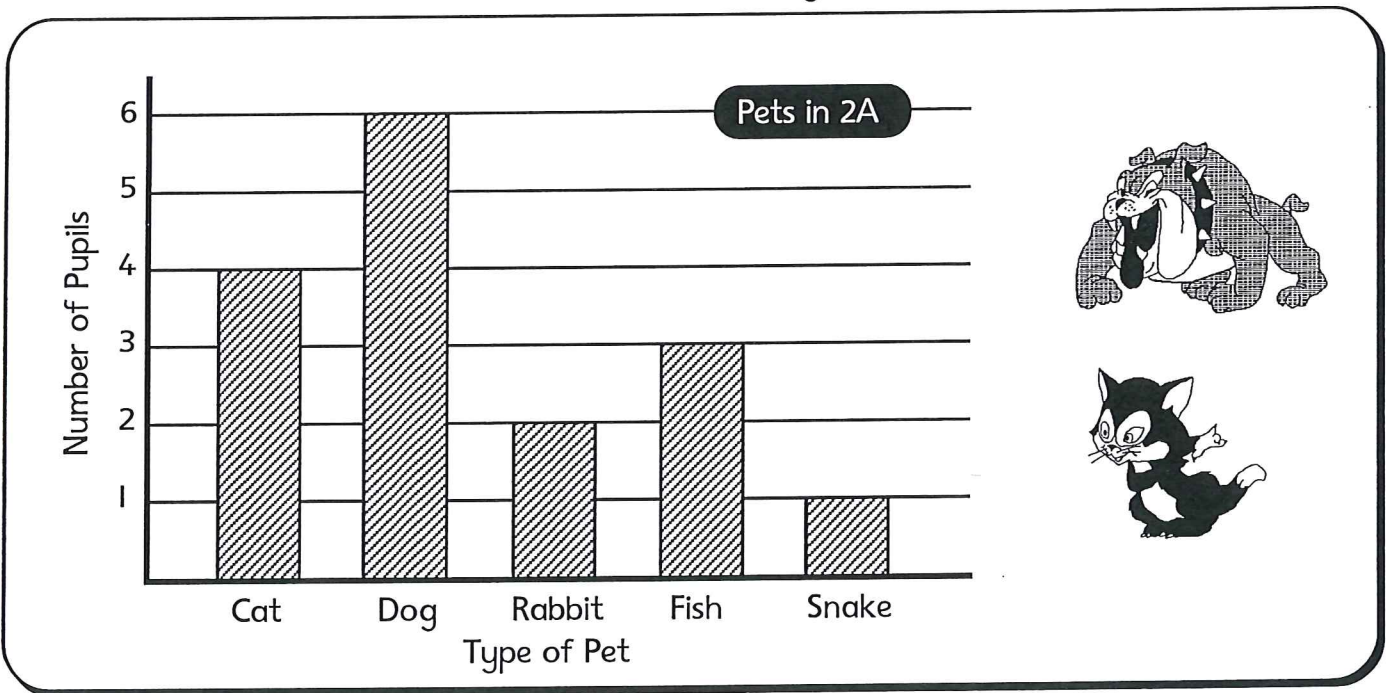
4. Complete :–

(a) The most popular pet is a ☐.

(b) ☐ pupils have a cat.

(c) ☐ pupils have a rabbit.

(d) Exactly 3 pupils own a ☐.

(e) ☐ more pupils own a dog than a cat.

(f) There is a total of ☐ pets in Class 2A.

I. On a trip to the zoo, Mary made a tally-table of the animals she saw.

Complete the tally-table.
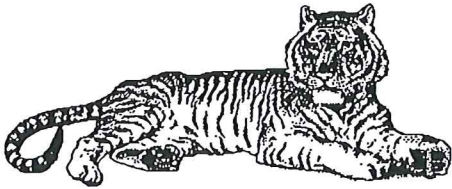
Animal	Tally Marks	Total
Monkeys	卌 卌 II	
Bears	IIII	
Lions		8
Penguins	卌 IIII	
Tigers		3
	Total	

(a) Complete the Bar Graph below (use a ruler).

Animals in the ....

14
12
10
8
6
4
2

Monkeys   Bears
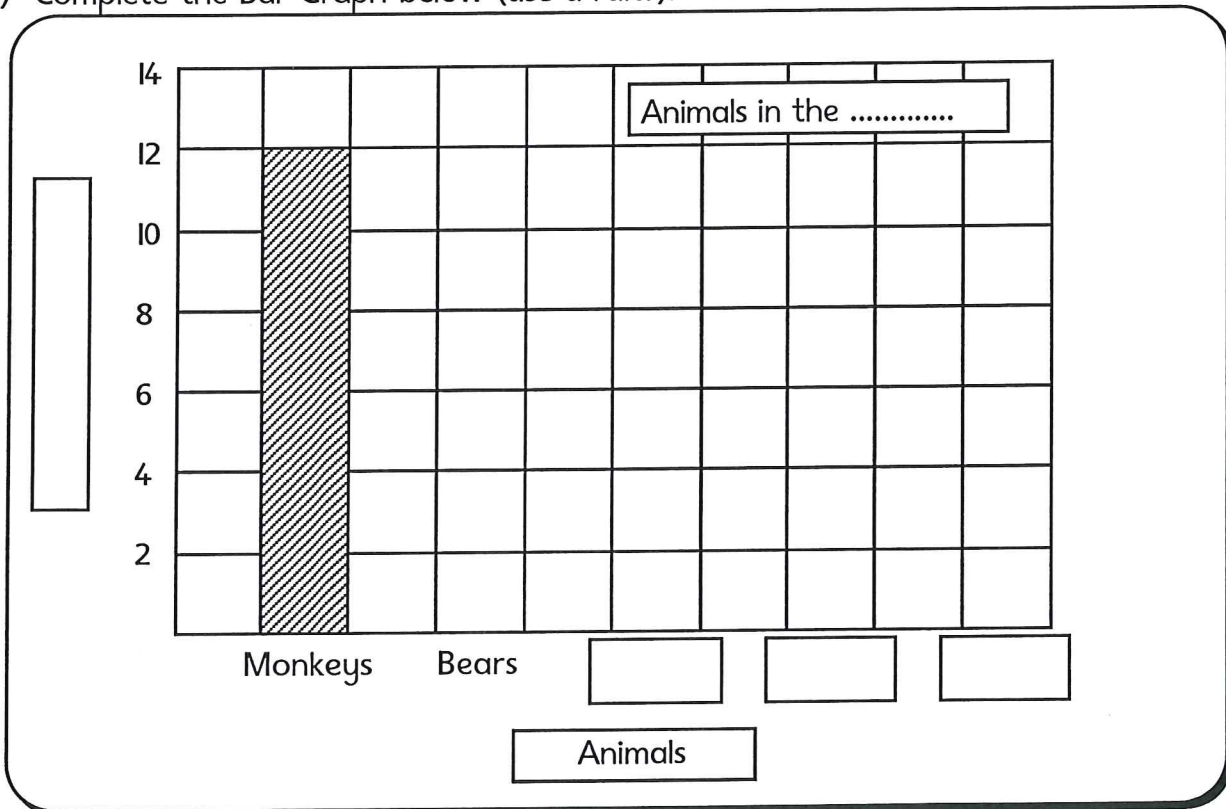
Animals

(b) How many animals did Mary see altogether ?

(c) There were [ ] more monkeys than penguins.

2. 40 pupils were asked to say which T.V. channel they preferred.
Here is the result of the survey :–

BBCI	ITV	BBC2	CH4	BBCI	ITV	BBCI	ITV
BBCI	ITV	CH4	ITV	BBC2	BBCI	BBCI	CH4
BBCI	CH5	BBC2	ITV	ITV	BBC2	CH5	BBCI
BBC2	BBCI	ITV	CH5	BBC2	ITV	BBCI	BBCI
CH4	ITV	BBCI	BBCI	BBCI	ITV	CH4	ITV

(a) Complete the tally table.

Channel	Tally Marks	Total
BBCI		
BBC2		
ITV		
CH 4		
CH 5		
	Total	

(b) Complete the Bar Graph below.

All the T.V. ....

16
14
12
10
8
6
4
2

BBCI   BBC2   ITV   CH4   CH5
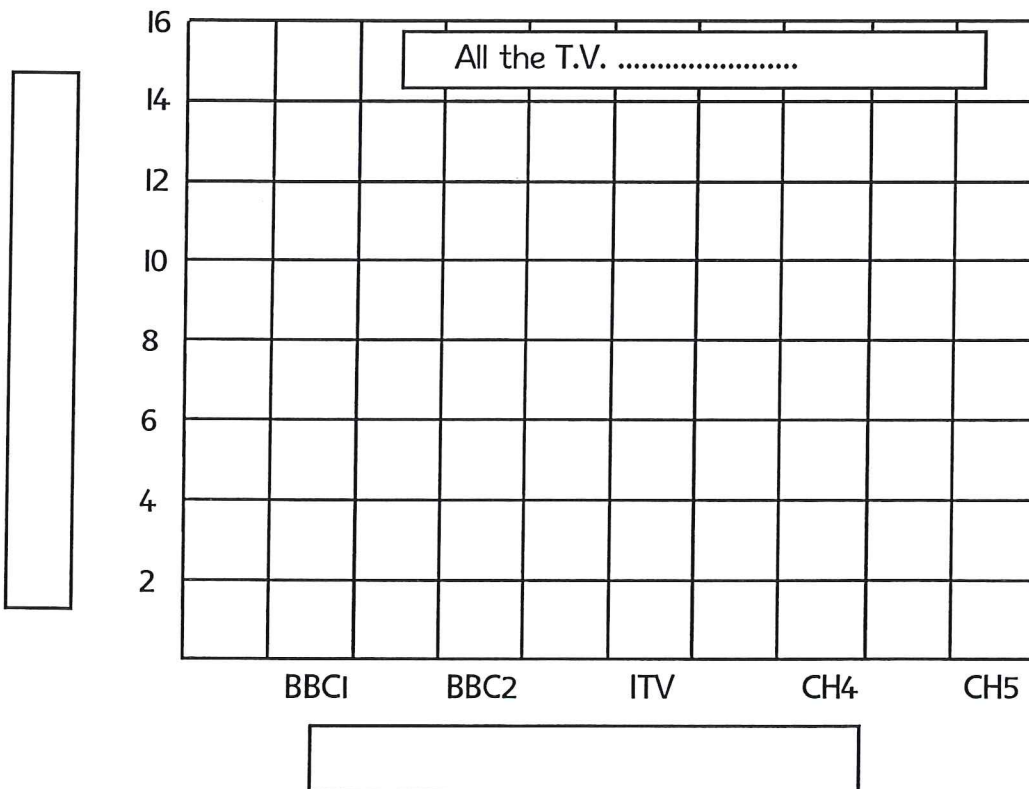
Homework Sheets
Statistics   No. 4a

name ....
date due back ....
signed .... score ....

I.   The pictograph shows the number of pupils who bought a drink from the school tuck shop.

stands for <u>5 pupils</u>

Cola 500 ml

Mon	👤 👤 👤 👤	
Tues	👤 👤 👤 ◯	
Wed	👤 👤 👤	
Thur	👤 👤 👤	
Fri	👤 👤 👤 👤 👤	
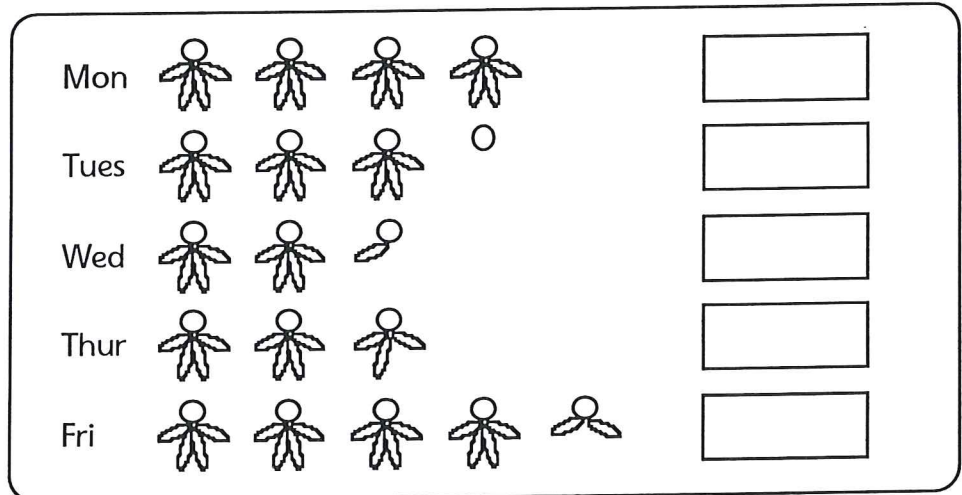
(a)   Complete the boxes above, to show the number of pupils who bought a drink that day from the tuck shop.

COMPLETE :-

(b)   There were [   ] pupils altogether.

(c)   [   ] <u>more</u> pupils bought a drink on Monday than on Thursday.

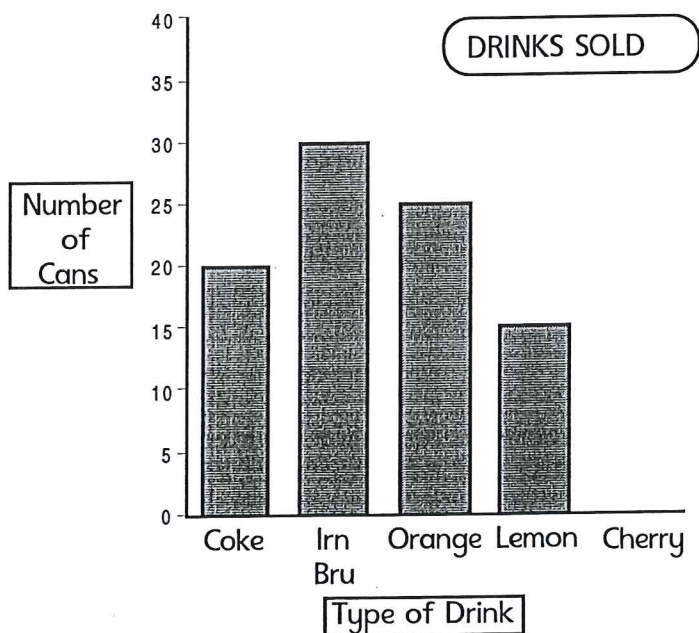2.   This bar graph shows which kind of drinks were sold each week.

(a)   The most popular drink this week was

[   ]

(b)   The shop sold

[   ] cans of Coke.

(c)   The shop sold

[   ] cans of Lemon.

(d)   The shop sold
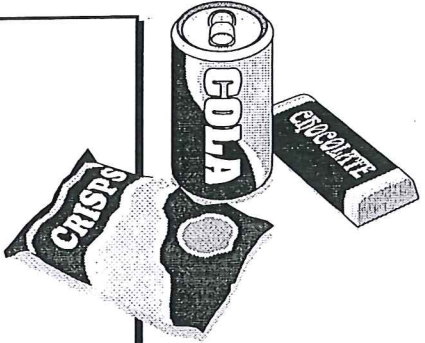
[   ] more cans of Irn Bru than Orange.

(e)   The shop sold [   ] cans of Cherry.

DRINKS SOLD

Number of Cans

Coke   Irn Bru   Orange   Lemon   Cherry

Type of Drink

3. This Tally Table shows other items sold from the tuck shop on the Monday.

   (a) Complete the table :-

		Number
Choco Bar	~~||||~~ ||||	
Lollipops		8
Minties	|||	
Crisps		13

   (b) Now draw a Bar Graph using the information in the above Tally Table.
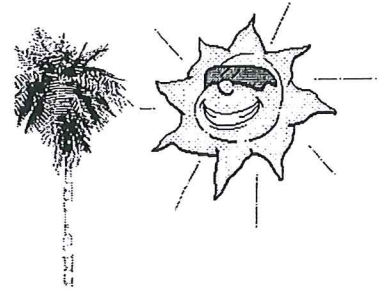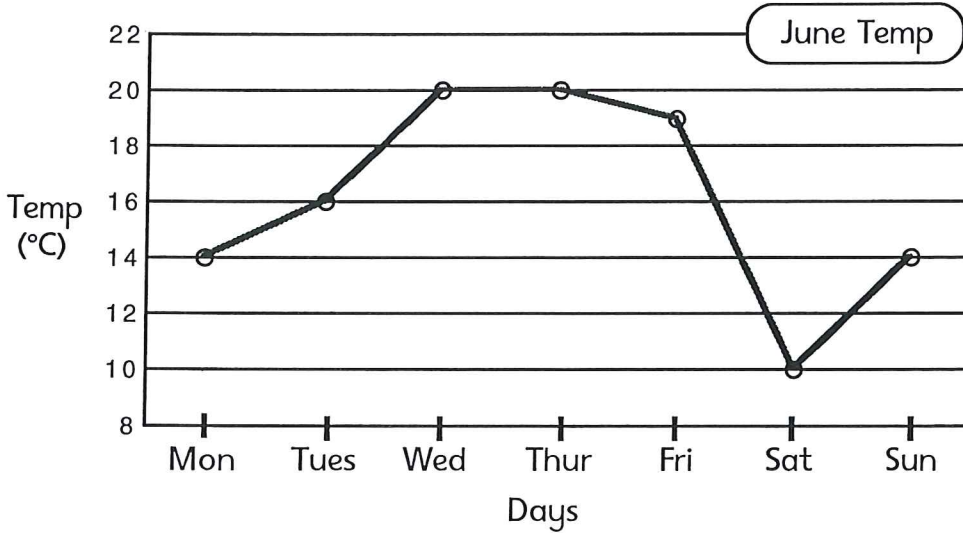   (Use a ruler or straight line !)

Fill this in →

Fill in the title ────▶ [   ]

14
12
10
8
6
4
2

Choco Bar

[   ] ◀──── Fill this in
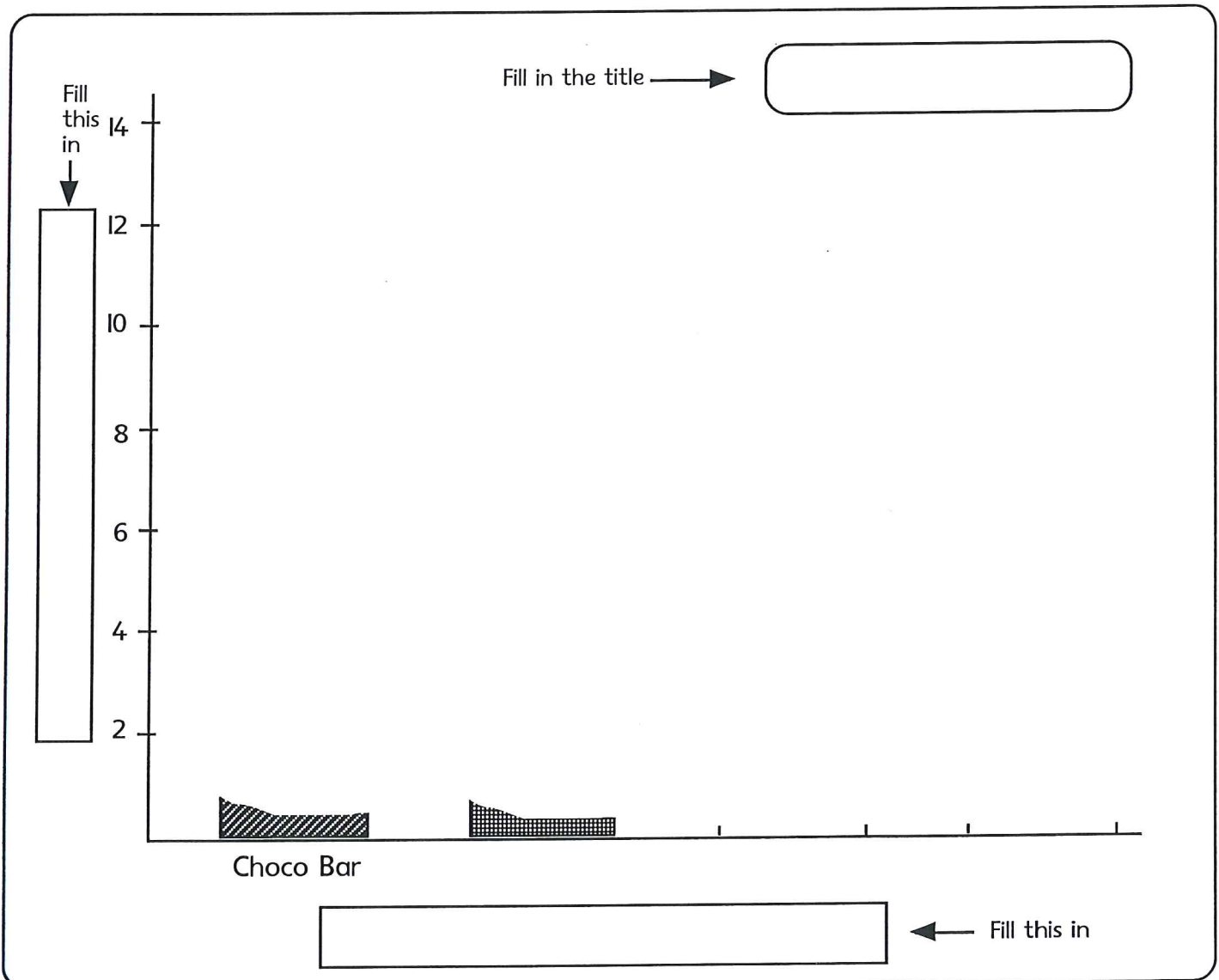
S2 Homework Sheets
Statistics   No. 4b

name ....
date due back ....
signed .... score ....

1. The line graph below shows the temperatures over one week in June on the Island of Eborra.

June Temp

Temp (°C)

Days

*The Island of Eborra*
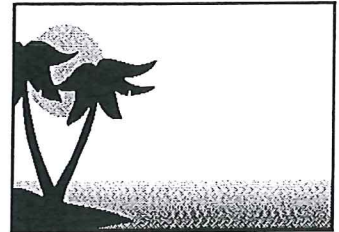
COMPLETE :-

(a)   The temperature on Thursday was ☐ °C.

(b)   The temperature on Friday was ☐ °C.

(c)   The coolest day was ☐ at ☐ °C.

(d)   The <u>difference</u> in temperature between the hottest and the coldest day was ☐ °C.

2. This table shows temperatures (in °C) for one week during July.

Draw a LINE GRAPH below, using the data from the table.

DAY	Mon	Tues	Wed	Thur	Fri	Sat	Sun
TEMP (°C)	16	18	22	20	14	15	11

Mon
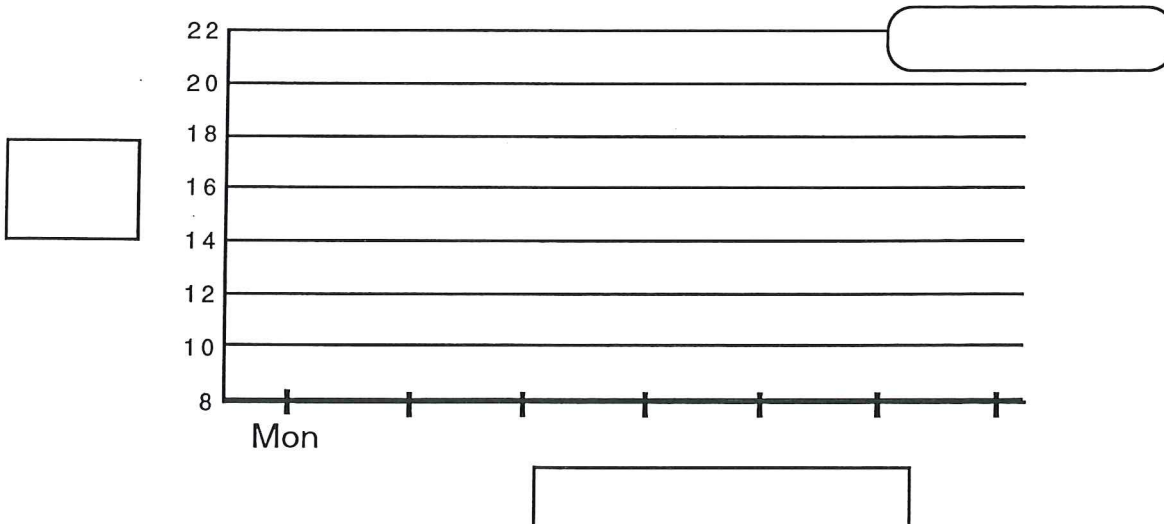
3. Write in each box what FRACTION of each Pie Chart is shown.

(a)
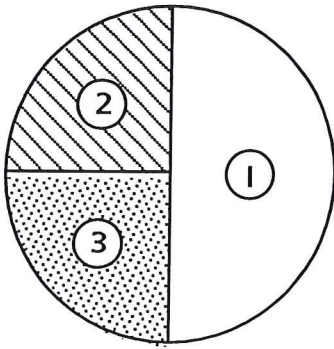
Section ① of the Pie Chart is $\frac{1}{2}$

Section ② of the Pie Chart is ——

Section ③ of the Pie Chart is ——

(b) Ben's pocket money

Sweets

Comics | Toys
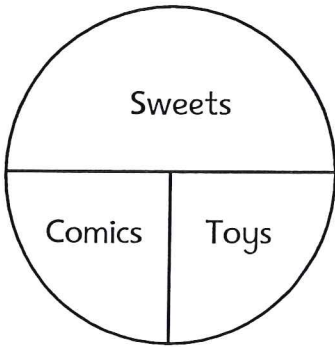
(Fill fraction in here)

Ben spent —— of his money on toys.

Ben spent —— of his money on sweets.

Ben spent —— of his money on comics.

Ben

(c) Ami's pocket money

Make-up
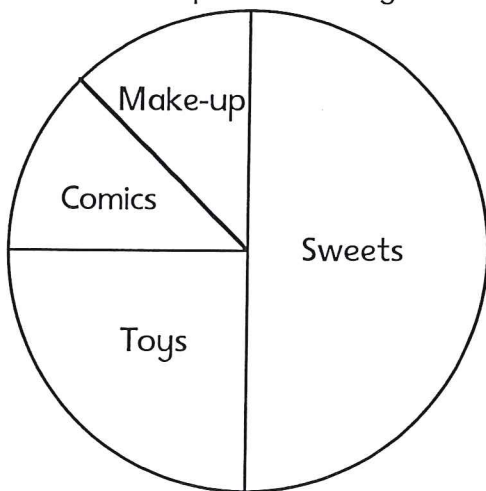
Comics

Sweets

Toys

(Fill fraction in here)

Ami spent —— of her money on sweets.

Ami spent —— of her money on toys.

Ami spent —— of her money on comics.

Ami gets £8 pocket money each week.

(d) Use the pie chart to do the following :-

Ami spent £ _____ of her £8 on sweets.

Ami spent £ _____ of her £8 on Make-up.

Ami