

## LESSON 1

### Lesson 115 Mainly means

- 1 a 13      b 92      c 45  
 d £24      e 6.2      f 34.8%
- 2 £119.25
- 3 Mean = 9.312 kg  
 Median = 8.76 kg
- 4 Mean = 3.58 l  
 Range = 3.53 l

- 5 a Mean = 28.8 km      b Kevin: 6.62 km  
 Median = 29.6 km      Alun: 5.74 km  
 Range = 9.3 km      Meena: 4.76 km  
 Mode = 23.8 km      Penny: 4.76 km  
                                  Kapil: 6.58 km  
                                  Deng: 6.1 km

- 6 a Mean = 29.5 hours

b Frequency table:

26	27	28	29	30	31	32	33
2	1	3	3	5	3	2	1

- c Claim is false if mean average is taken.  
 Claim is true if mode average is taken.

### Lesson 116 Which holiday?

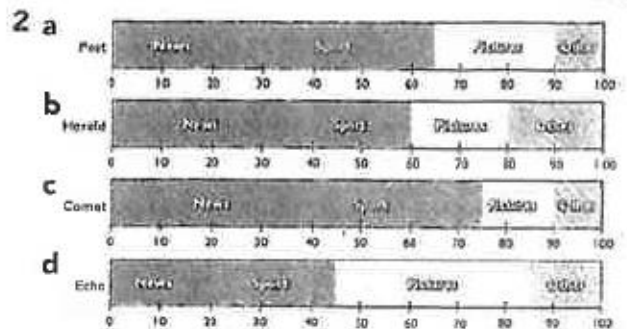
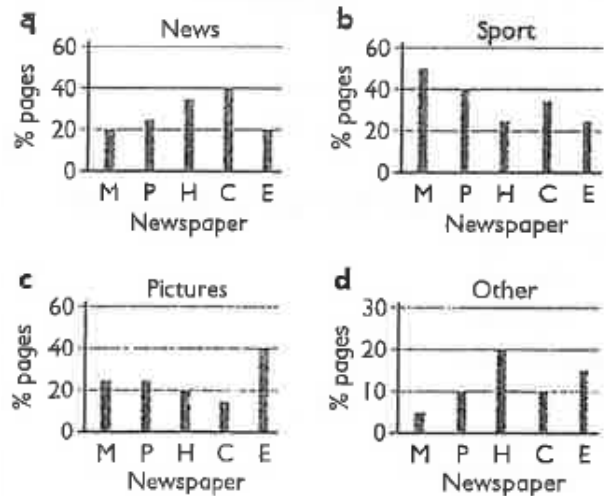
- 1 a Palmy Beach      Breezy Point  
 Range = 3 hours      Range = 12 hours  
 Mean = 8 hours      Mean =  $8\frac{1}{2}$  hours
- b Answers may vary. Breezy Point has a higher mean for the hours of sunshine than Palmy Beach. Breezy Point also has a larger range in the number of hours of sunshine than Palmy beach.
- 2 a Palmy Beach      Breezy Point  
 Mean = 76.3°F      Mean = 79.7°F  
 Range = 7°F      Range = 7°F  
 Mode = 77°F      Mode = 81°F
- b Answers may vary. Both resorts have the same range of temperatures. However Breezy Point has a higher mean temperature and a higher modal temperature than Palmy Beach.

4

Day	1	2	3	4	5	6	7
°F	74	75	77	78	80	80	82

## LESSON 2

### Lesson 118 Bar-line graphs and compound bar graphs



3

Paper	Pages of Sport
Mail	30
Post	16
Herald	12
Comet	28
Echo	18

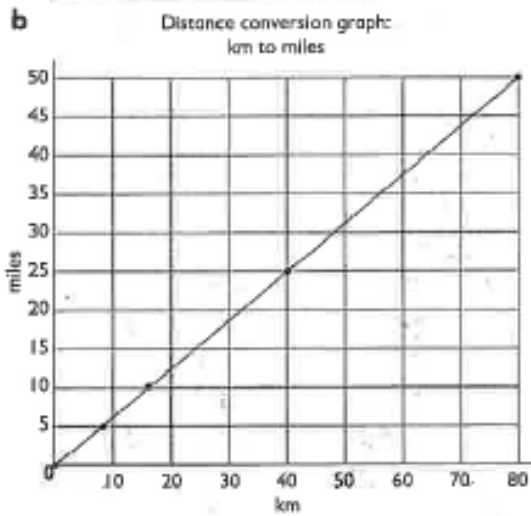
- 4 The Post

# LESSON 3

## Lesson 15 Using conversion graphs

1 a

km	8	16	40	80
miles	5	10	25	50

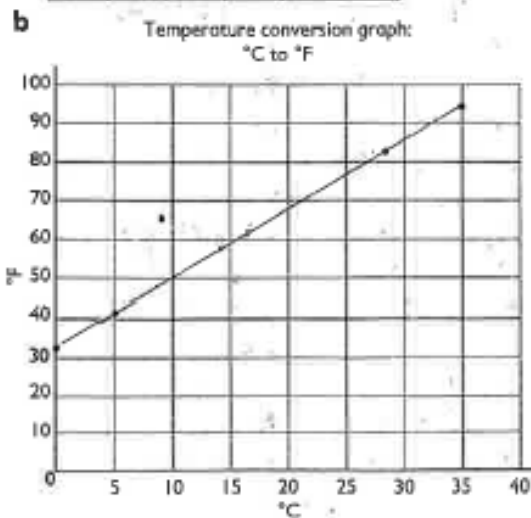


c

From Glasgow	To Dundee	To Edinburgh	To Gourock	To Largs	To Oban	To Perth
miles	20	45	25	30	90	55
km	128	72	160	48	144	88

2 a

°C	0	5	16	28	35
°F	32	41	61	82	95



c

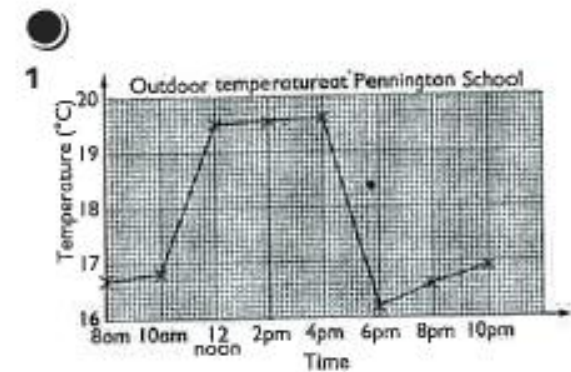
Boston	25°C	77°F	Dubai	39°C	102°F
Canberra	11°C	52°F	Luxor	41°C	106°F
Madrid	27°C	81°F	Paris	19°C	66°F
Tokyo	22°C	72°F	Bangkok	33°C	91°F

3 Open

# LESSON 4

## C2, L7 Weather watch

- 1 March, April, May (and probably end of February and beginning of June)
- 2 October (and probably beginning of November)
- 3 70%
- 4 September
- 5 January and July



- 2 a 19.5°C
- b 18.1°C
- c 17.9°C
- 3 10.30a.m. and 5.12p.m.
- 4 17.7°C

- 1 a Aug 29 24.2°C
- Aug 30 21.2°C
- Aug 31 22.8°C
- Sep 01 21.8°C
- Sep 02 22.3°C
- Sep 03 22.5°C
- Sep 04 23.4°C
- b 22.6°C
- 2 18.3°C
- 3 a Aug 29 4.4°C
- Aug 30 0.7°C
- Aug 31 3.8°C
- Sep 01 4.7°C
- Sep 02 5.7°C
- Sep 03 5.8°C
- Sep 04 5.3°C
- b 4.3°C