

Mark scheme

**Q1.**

Award **TWO** marks for the correct completion of the three numbers in the table, as shown:

	Round 39,476
to the nearest 10,000	<b>40,000</b>
to the nearest 1,000	<b>39,000</b>
to the nearest 100	<b>39,500</b>

If the answer is incorrect, award **ONE** mark for **any two** of the numbers rounded correctly.

*Do not accept 9,000 or 500 for the second and third entries.*

Up to 2m

[2]

**Q2.**

(a) 7

*Do not accept 70,000 or 70 thousands.*

1m

(b) 4,000,000

*Accept 4 million or four million*

*Do not the answer 4*

1m

[2]

**Q3.**

299,604

[1]

**Q4.**

Explanation that recognises that the sequence does not always increase by four, with clear reference to the data, e.g.

- The difference between 1996 and 1999 is three years, not four so it is not always every four years
- It would be 2000 if it was every 4 years
- It should have ended in 2016

**OR**

Explanation that demonstrates that the sequence does not always increase by 4, but does not reference specific years from the data, e.g.

- The cricket world cup was sometimes 3 years apart instead of 4 years apart
- Not all of the years have 4 years difference between.

**Do not** accept vague or incomplete explanations, e.g.

- It does not always increase by four
- It should be 2000
- The difference can be 3, 4 or 5 years at different times.

**Do not** accept explanations which include incorrect mathematics or incorrect information that is relevant to the explanation, e.g.

- $1992 + 4 = 1996 + 3 = 1999$

[1]

**Q5.**

Award **TWO** marks for three boxes completed correctly as shown:

to the nearest 10	84,520
to the nearest 100	84,500
to the nearest 1,000	85,000

If the answer is incorrect, award **ONE** mark for two boxes completed correctly.

Up to 2m

[2]

**Q6.**

2006

**Do not** accept 'two thousand and six' in words.

[1]

**Q7.**

(a) 7

1

**Do not** accept -7 or 7-

(b) -2

1

**Do not** accept 2-

[2]

**Q8.**

Award **ONE** mark for the correct answer as shown:

- E B C D A

Accept:

- £91,500 B £130,500 £131,500 £135,300

[1]

**Q9.**

- (a) Paris

1

- (b) 3

*Do not accept -3.*

1

[2]

**Q10.**

Award **TWO** marks for three rows completed correctly as shown:

50

120 OR 140 OR 160 OR 180

210 OR 240 OR 270

320 OR 360

If the answer is incorrect, award **ONE** mark for two rows correct.

Up to 2

[2]

**Q11.**

- (a) 4

*Do not accept four OR 400*

1

- (b) 6

*Do not accept six OR  $\frac{6}{100}$*

1

**Commentary:** This question assesses place value in whole numbers up to 1,000,000 (5N3a) and in decimals (5F6b).

[2]

**Q12.**

Fifty-three thousand, one hundred and forty-eight.

[1]

**Q13.**

Award **TWO** marks for three numbers correct as shown:

	rounded to the nearest hundred
316	300
3162	3200
31628	31600
316281	316300

If the answer is incorrect, award **ONE** mark for two numbers correct.

Up to 2

[2]

**Q14.**

Award **TWO** marks for a multiple of 15 which is greater than 100, eg

105 **OR** 120 **OR** 135 **OR** 150 **OR** 300

*Accept more than one answer if all are correct.*

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg:

*Accept for **ONE** mark 30, 45, 60, 75 **OR** 90*

• 90 93 96 99 102 105 108 ...  
90 95 100 105 110 115 ...

← *Not spotting matching number (105)*

• 90 93 96 98 101 104 107 (110) ...  
90 95 100 105 (110) 115 ...

← *One step size incorrect (96 to 98)*

• 15 30 45 60 75 80 95 110 (125)

← *One step size incorrect (75 to 80)*

•  $3 \times 5 \times 20$   
OR  
 $15 \times 10$

← *Multiple greater than 100 but not calculated*

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2

[2]

**Q15.**

18

*Accept -18*

[1]

**Q16.**

(a) 955 in first box.

1

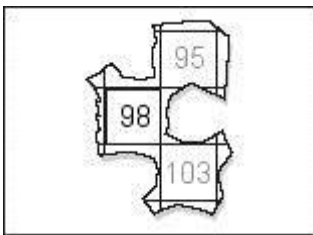
(b) 1010 in second box.

1

[2]

**Q17.**

Chart completed as shown:



[1]

**Q18.**

550

*Accept 0.5 kg.*

[1]

**Q19.**

Boxes completed as shown:

£ 8569

£ 9090

£ 9130

£ 8999

**Both** answers must be correct for the award of the mark.  
 Accept alternative unambiguous indications, such as 'Yes'.  
 Ignore crosses or 'No' in the other boxes, provided it is clear  
 that the correct two prices have been chosen.

[1]

**Q20.**

(a) 5

1

(b) – 3 **OR** minus 3

*Accept '3 degrees below zero' or similar **OR** –3' written on either thermometer.*

***Do not** accept '3–' **OR** a mark on the thermometers such as a cross, unless the numerical answer is written.*

1

[2]

**Q21.**

(a) Derby **OR** Stoke

*Accept recognisable misspellings  
**OR** unambiguous indications on the diagram.*

1

(b) Answer in the range 60 to 65 inclusive.

1

[2]

**Q22.**

1070 → 1100

8225 → 8200

3680 → 3700

*All correct for **1 mark**.*

[1]

**Q23.**

The gradation corresponding to –1.5 correctly indicated on the number line

1

*It is not necessary for the point to be labelled –1.5*

*It is not necessary for the point to be marked with an arrow.*

A point corresponding to 0.45 correctly indicated on the number line

1

*It is not necessary for the point to be labelled 0.45*

*Accept any point marked that is clearly **between** the gradations for 0.4 and 0.5*

*It is not necessary for the point to be marked with an arrow.*

[2]

**Q24.**

MMDX indicated

*Do not accept MDCCXLIII*

1743

1

1

[2]

**Q25.**

~~MCM~~

*Accept other clear indication*

[1]

**Q26.**

466,050

1

470,050

1

[2]

**Q27.**

Award **TWO** marks for numbers placed correctly, as shown.

45,170	45,180	45,190	<b>45,200</b>
55,170			
65,170		<b>65,190</b>	
<b>75,170</b>			

Award **ONE** mark for any two numbers placed correctly.

[2]

**Q28.**

5,555,055 indicated

[1]

**Q29.**

six hundred thousand indicated

[1]

**Q30.**

4,994,449 indicated

[1]

**Q31.**

1. 1 m or 110 cm

[1]

**Q32.**

LIV

1

LXVI

1

[2]