

Mark scheme – Week 5

Q1. Award **TWO** marks for only three correct boxes ticked, as shown:

2	✓
3	✓
6	✓
9	
12	

Award **ONE** mark for:

- only two correct boxes ticked and no incorrect boxes ticked

OR

- three correct boxes ticked and one incorrect box ticked.

Accept alternative unambiguous positive indications, e.g. Y.

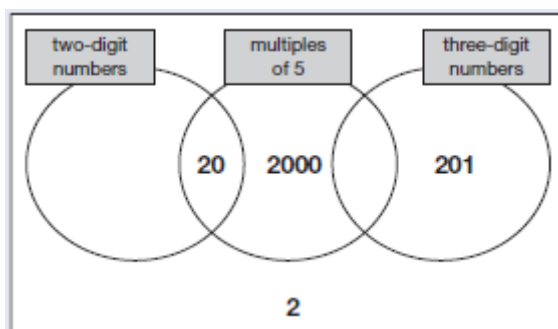
Up to 2 marks

[2]

Q2. 2, 4, 5, 10 *All correct, in any order for 1 mark.*

[1]

Q3. Award **TWO** marks for all four numbers correctly placed as shown:



If the answer is incorrect, award **ONE** mark for three numbers correctly placed.

Do not accept numbers written in more than one region.

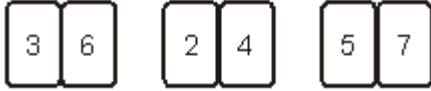
Accept alternative unambiguous indications, eg lines drawn from the numbers to the appropriate regions of the diagram.

Up to 2m

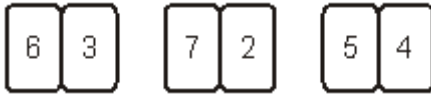
[2]

Q4.

Three multiples of 3, eg:



OR



Multiples may be given in any order.

Digits may be in either order, eg 24 OR 42

Do not accept digits used more than once.

Do not accept digits other than those shown.

U1

[1]

Q5. Diagram completed as shown:

	multiples of 9	not multiples of 9
even	72 54	56 84
not even	63 45	49 75

Accept recognisable misspellings.

Accept 'odd' for 'not even'.

Accept alternative unambiguous indications, eg lines drawn from the labels to the appropriate parts of the diagram.

[1]

Q6. Award **TWO** marks for all three numbers correct as shown:

• a multiple of 9

2	7
---	---

 OR

7	2
---	---

• a square number

2	5
---	---

• a factor of 96

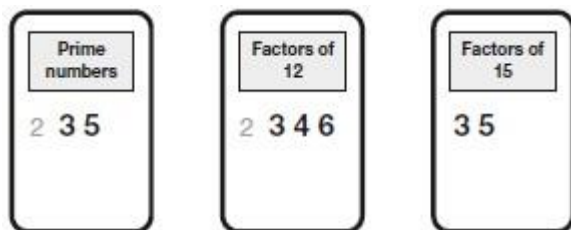
1	2
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If the answer is incorrect, award **ONE** mark for two numbers correct.

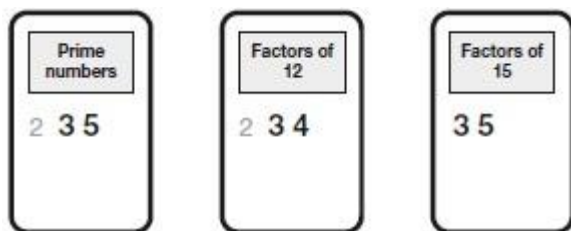
Up to 2

[2]

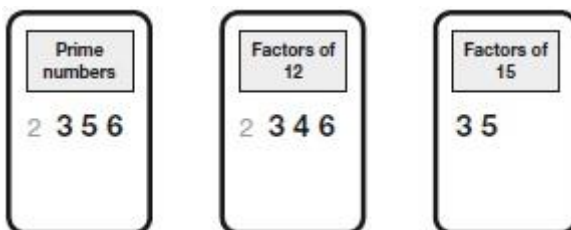
Q7. Award **TWO** marks for all four given numbers placed completely correctly 7 times, as shown:



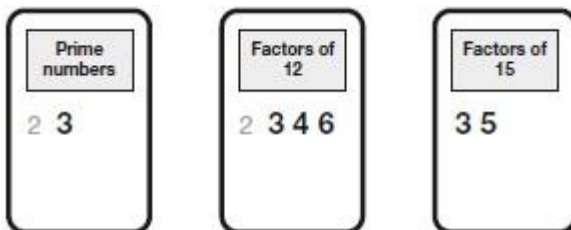
If the answer is incorrect, award **ONE** mark for three of the given numbers all placed completely correctly, e.g.



OR



OR



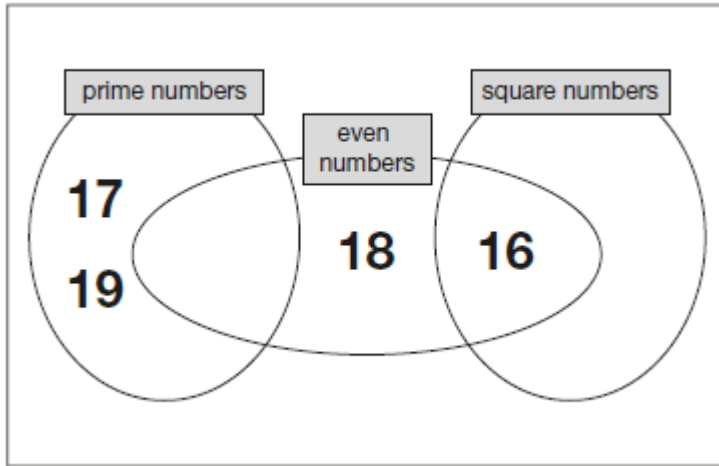
Accept the numbers in any order.

Ignore any additional numbers not given in the question.

Up to 2m

[2]

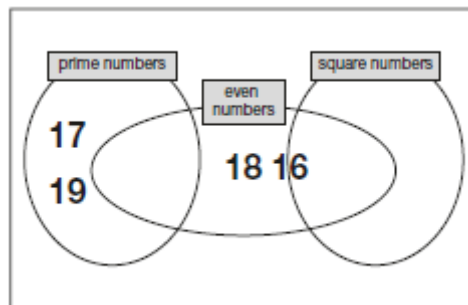
Q8. Award **TWO** marks for all four numbers placed correctly as shown:



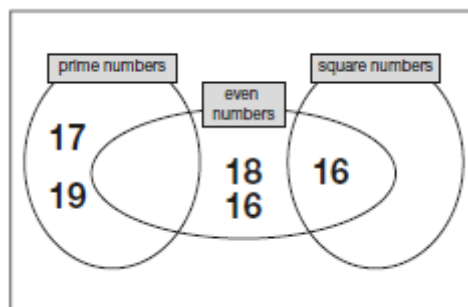
If the answer is incorrect, award **ONE** mark for three numbers placed correctly.

Accept alternative unambiguous indications, e.g. lines drawn from the numbers to the appropriate regions of the diagram.

Do not accept numbers written in more than one region, e.g.



OR



Up to 2m

[2]

Q9. All four correct

- 1 & 42
- 2 &
- &
- 6 &

Or any three correct

2

1 [2]

Q10. All four pairs of prime numbers listed, ie:

- 5 and 31
- 7 and 29
- 13 and 23
- 17 and 19

For 2m, accept all prime numbers listed in pair order, ie:

- 5, 31, 7, 29, 13, 23, 17, 19

2

or

Three or four correct pairs of prime numbers listed and not more than one incorrect pair of numbers

For 1m, accept all eight prime numbers listed, and no other numbers, without any indication of how the numbers are paired, eg: • 5, 7, 13, 17, 19, 23, 29, 31

1

[2]

Q11. 36 AND 9 Numbers may be given in either order.

[1]

Q12. Award **TWO** marks for the correct completion of the three numbers in the table, as shown:

	Round 39,476
to the nearest 10,000	40,000
to the nearest 1,000	39,000
to the nearest 100	39,500

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]

Q13. Award **TWO** marks for all values correct as shown:

Number	Rounded to the nearest whole number
5.05	5
5.55	6
4.45	4
4.54	5

If the answer is incorrect, award **ONE** mark for three numbers correctly rounded. Up to 2 [2]

Q14. 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]

Q15. Award **TWO** marks for three boxes completed correctly as shown:

	Rounded to the nearest hundred
20,906	20,900
2,090.6	2,100
209.06	200

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

Up to 2m

[2]

Q16. Award **TWO** marks for the table completed as shown:

number	To nearest one decimal place
12.72	12.7
10.16	10.2
672.09	672.1
24.81	24.8

Award **ONE** mark for any two numbers correct.

[2]

Q17. Award **TWO** marks for three correct numbers, as shown.

Stadium	Total attendance	Total attendance, rounded to nearest ten thousand
Dodger Stadium	3,703,312	3,700,000
Angel Stadium	3,016,142	3,020,000
Fenway Park	2,955,434	2,960,000

Award **ONE** mark for any two correct numbers.

[2]

Q18. Award **TWO** marks for all three numbers correctly rounded:

120,000

125,000

124,500

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

Up to 2

[2]

Q19.

92°C

73°C

37°C

12°C

-2°C

-12°C

All correct, in this order for 1 mark.

[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) -7°C **Do not** accept 7-

1

(b) 13°C

*If (a) is negative allow follow through in part (b) for **ONE** mark.*

1

[2]

Q22. (a) 9 **Do not** accept -9 or 9-

1

(b) -6

Do not accept 6-

1

[2]

- Q23.** (a) -35 (in left-hand box)
 Accept for **ONE** mark ' $35-$ ' **AND** ' $80-$ '
- 1
- (b) -80 (in right-hand box)
 Accept for **ONE** mark any two **negative** numbers such that the second is 45 less than the first.
- 1
- [2]**
- Q24.** (a) -75 in the first box
 Do not accept $75-$
- 1
- (b) -200 in the second box
 Do not accept $200-$
 Accept a number 125 less than the answer to (a), provided the answer to 18a is negative.
- 1
- [2]**
- Q25.** (a) 10
 Accept $+10$ **OR** -10
 Do not accept an incomplete calculation, eg: $4 + 6$
- 1
- (b) -4
 Accept 'negative 4' **OR** 'minus 4' **OR** '4 below'.
 Do not accept ' $4-$ '.
- 1
- [2]**