Q1.

This chart shows the number of different types of big cat in a zoo.

There are **20** big cats in the zoo altogether.



Here are some statements about the chart.

Tick the statements that are **true**.

There are more cheetahs than jaguars.

The total number of lions and tigers is 10

One-quarter of the big cats are cheetahs.

There are more than 5 jaguars.

| _ | | |
|---|--|--|
| | | |
| | | |

Q2.

Here are the temperatures in four cities at midnight and at midday.

| | Temperature | | | | |
|--------|-------------|-----------|--|--|--|
| City | At midnight | At midday | | | |
| Paris | −4°C | −2°C | | | |
| Oslo | −13°C | −7°C | | | |
| Rome | 3°C | 10°C | | | |
| Warsaw | −6°C | 2°C | | | |

At midnight, how many degrees colder was Paris than Rome?

2 marks

Which city was 6 degrees colder at midnight than at midday?

Q3.

William wants to travel to Paris by train.

He needs to arrive in Paris by 5:30 pm.

Circle the latest time that William can leave London.

| Leaves London | Arrives Paris |
|---------------|---------------|
| 12:01 | 15:22 |
| 12:25 | 15:56 |
| 13:31 | 16:53 |
| 14:01 | 17:26 |
| 14:31 | 17:53 |
| 15:31 | 18:53 |
| 16:01 | 19:20 |

1 mark

Q4.

Write each number in its correct place on the diagram.

16 17 18 19

1 mark

1 mark



2 marks

Q5.

This chart shows the population of Cornwall from 1950 to 2010.



Look at the chart.

In which year did the population first reach 400,000?

How much did the population increase from 1950 to 2000?



What was the population of Cornwall in 2010?



Q6.

Here is part of the morning bus timetable from Winton to Yansley.

| Winton | 9:35 | 9:55 | 10:15 | 10:35 |
|---------|-------|------------------|-------|-------|
| Ingham | 9:45 | 9:45 10:05 10:25 | | 10:45 |
| Carston | 10:01 | 10:21 | 10:41 | 11:01 |
| Dubley | 10:23 | 10:43 | 11:03 | 11:23 |
| Yansley | 10:55 | 11:15 | 11:35 | 11:55 |

How many minutes does the bus take to get from Ingham to Dubley?



1 mark

Megan is in Carston.

She wants to be in Yansley before 11:30

What is the time of the latest bus she can take from Carston?



1 mark

One morning, the 10:35 bus from Winton gets to Carston 3 minutes early.

What time does it get to Carston?



Q7.

Two companies sell toys online. They charge to deliver.

Describe the delivery cost of the second company.

The first company is done for you.



Q8.

This weather chart shows the highest and lowest temperatures in a town on five days in

March.

| | Temperature °C | | | | |
|-----------|----------------|--------|--|--|--|
| | highest | lowest | | | |
| Monday | +7 | 0 | | | |
| Tuesday | +7 | -2 | | | |
| Wednesday | +8 | -2 | | | |
| Thursday | +9 | +1 | | | |
| Friday | +4 | -5 | | | |

Which day has the greatest difference between the highest and the lowest temperatures?

_ 1 mark

What is the difference between the lowest temperatures on Thursday and Friday?



Q9.

Amy did a survey of what time people get up on a Sunday morning. This table shows her results for 150 people.

| Time | number of people |
|--------------------|------------------|
| before 7 am | 13 |
| 7:00 am to 7:59 am | 28 |
| 8:00 am to 8:59 am | 59 |
| 9:00 am to 9:59 am | 36 |
| 10 am and after | 14 |

Look at the table.

How many people get up at 8 am or later?



Amy says,

'Two-thirds of the 150 people in the survey get up before 9 am.'

Amy is correct.

Explain how you know.



Q10.

Here is a Venn diagram for sorting numbers.

Write each number in its correct place on the diagram.







Q11.

This graph shows the distance Alfie and Chen walked in an afternoon. They started at 1:45pm and had two breaks.





At what time did Alfie and Chen start their second break?



Q12.

500 children started a 20 kilometre sponsored cycle ride.

This graph shows how far they cycled.



At what distance were exactly half of the children still cycling?

1 mark

Estimate how many children completed the 20 kilometre cycle ride.



Q13.

This diagram shows the proportions of waste by weight a family throws away in one year,

| Glass and Metal | |
|-----------------|--|
| Plastic | |
| Other material | |
| Organic | |
| Paper and Card | |

Estimate what **fraction** of the waste is **organic**.



The family throws away about **35 kilograms of plastic** in a year.

Use the diagram to estimate the weight of **glass and metal** they throw away.



1 mark

The family throws away **130 kg** of paper and card.

70% of this is newspapers.

What is the weight of **newspapers**?



2 marks

Q14.

Gavin was ill in March.



This is his temperature chart.



For how many days was his temperature marked as more than 37°C?



Which **date** showed the largest **change in temperature** from the day before?

1 mark

Estimate Gavin's highest temperature shown on the graph.

Give your answer to **1 decimal place.**



1 mark

Q15.

This is what it costs to visit a castle.

| Allington Castle Cost per person | | | | |
|-------------------------------------|-------|--|--|--|
| Adults | £2.45 | | | |
| Children (11 and over) | £1.30 | | | |
| Children | 95p | | | |
| (under 11) | | | | |

Helen is 10 years 9 months old.

How much will it cost Helen to visit?



On one day the number of visitors was

| Adults | 4 |
|------------------------|----|
| Children (11 and over) | 16 |
| Children (under 11) | 12 |

Here is a graph to show the number of visitors.

Complete the scale for the axis called "Number of Visitors".



1 mark

How much will it cost for **18 children** (under 11) to visit the castle?

You **must** show your working.



1 mark

Q16.

This table shows the distances in **kilometres** between five towns.

| | 20 | ungham die | | (c) | "iester |
|------------|-----|---------------|-----|-----|---------|
| Birmingham | Bim | 170 | 100 | 127 | 224 |
| Cardiff | 179 | 179 | 269 | 278 | 489 |
| London | 188 | 269 | | 298 | 441 |
| Manchester | 127 | 278 | 298 | | 212 |
| Newcastle | 334 | 489 | 441 | 212 | |

Use the table to find the distance from London to Manchester.



1 mark

James goes from Newcastle to Birmingham, and then on to Cardiff.

How many kilometres does he travel?



2 marks

Q17.

The graph shows the journey of a hot-air balloon.





(a) At what height above the ground was the balloon after 10 minutes?

metres

1 mark

(b) After how many **minutes** of the journey did the balloon begin to go down?



Q18.

80 people were asked if they owned a pet.

30 had dogs

25 had cats

10 had other pets

15 had no pets

Complete the pie chart to show this information.



2 marks

Q19.

Three children do a sponsored silence.



This is a chart of the money they collected.



Estimate how much **Sheena** collected.



Together Gary and Pip collected more than £60

Explain how the **chart** shows this.



Q20.

Here is a table of the pets owned by **six** children.

| Name of child | Cat | Dog | Bird | Rabbit | |
|---------------|-----|-----|------|--------|--|
| David | 3 | 1 | 0 | 0 | A |
| Julie | 0 | 0 | 1 | 2 | |
| Carl | 2 | 0 | 0 | 1 | ANY |
| Terry | 0 | 1 | 0 | 1 | 0 |
| Mary | 0 | 2 | 0 | 0 | 18 |
| Hawa | 1 | 0 | 1 | 1 | and the second s |

Here is a graph of the pets of **five** of the children.



The pets of **one** of the children are not on the graph.

Whose pets are not on the graph?



Q21.

Here is the calendar for August 1998.

August 1998

| Sun | Mon | Tues | Wed | Thur | Fri | Sat |
|-----|-----|------|-----|------|-----|-----|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | | | | | |

Simon's birthday is on August 20th.

In 1998 he had a party on the **Sunday after** his birthday.

What was the **date** of his party?



Tina's birthday is on September 9th.

On what day of the week was her birthday in 1998?



Q22.



| Car Park charges | | |
|------------------|--------|--|
| Time | Charge | |
| up to 1 hour | 20p | |
| 1 to 2 hours | 50p | |
| 2 to 3 hours | £1.00 | |
| 3 to 4 hours | £1.70 | |
| over 4 hours | £5.00 | |

Emma parks her car at 9.30 am.

She collects the car at **1.20 pm**.



Dan and Mark both use the car park.

Dan says,

'I paid exactly twice as much as Mark but I only stayed 10 minutes longer'.

Explain how Dan could be correct.



Q23.



| Boat Hire | |
|----------------------|------------------|
| Motor boats | Rowing boats |
| £1.50 for 15 minutes | £2.50 for 1 hour |

£ 1 mark

Sasha pays £3.00 to hire a motor boat.

She goes out at **3:20pm**.

By what time must she return?

pm 1 mark

Q24.



The table shows the cost of coach tickets to different cities.

| | | Hull | York | Leeds |
|--------|--------|--------|--------|--------|
| ۸ dult | single | £12.50 | £15.60 | £10.25 |
| Aduit | return | £23.75 | £28.50 | £19.30 |
| Child | single | £8.50 | £10.80 | £8.25 |
| | return | £14.90 | £17.90 | £14.75 |

What is the total cost for a return journey to York for one adult and two children?



How much **more** does it cost for two adults to make a **single** journey to Hull than to Leeds?



Q25.

Here are four triangles drawn on a square grid.



Write the letter for each triangle in the correct region of the sorting diagram.

One has been done for you.

| | has a right angle | has an obtuse angle | has 3 acute angles |
|----------------------------|-----------------------------|-------------------------------|---------------------------------|
| is isosceles | A | | |
| is not isosceles | | | |

Q26.

This graph shows the cost of phone calls in the daytime and in the evening.



How much does it cost to make a 9 minute call in the daytime?



1 mark

How much **more** does it cost to make a **6 minute** call in the **daytime** than in the **evening**?



1 mark



Here are the start and finish times of some children doing a sponsored walk.

| | Start time | Finish time |
|--------|------------|-------------|
| Claire | 9.30 | 10.55 |
| Ruth | 9.35 | 11.05 |
| Dan | 9.40 | 11.08 |
| Tim | 9.45 | 11.05 |

How much longer did Claire take than Tim?



Q28.

Here is a sorting diagram for numbers.

Write a number less than 100 in each space.

| | even | not even |
|---------------------|------|----------|
| a square number | | |
| not a square number | | |

2 marks

Q29.

40 children each chose their favourite flavour of yogurt.

This chart shows the results.



Q30.

Here is a sorting diagram with four sections, A, B, C and D.

| | multiple of 10 | not a multiple of 10 |
|-------------------------|----------------|-------------------------|
| multiple of 20 | Α | В |
| not a multiple of 20 | С | D |

Write a number that could go in section $\ensuremath{\textbf{C}}\xspace.$



Section **B** can never have any numbers in it.

Explain why.



Q31.

Some children ran in two races on sports day.

Here are their times.

| | 100 m race | 800 m race |
|-------|--------------|----------------------|
| Elise | 15.9 seconds | 3 minutes 02 seconds |
| Jake | 19.7 seconds | 2 minutes 58 seconds |
| Teri | 16.8 seconds | 3 minutes 01 seconds |
| Neil | 17.1 seconds | 2 minutes 59 seconds |
| Barry | 18.4 seconds | 2 minutes 57 seconds |

Who finished the 100 m race in **second** place?



1 mark

In the 800 m race, how many seconds did Barry finish ahead of Elise?

seconds

1 mark

Q32.

Here is a diagram for sorting numbers.

Write **one number** in each white section of the diagram.

| | less than 1000 | 1000 or more |
|------------------------|-------------------|-----------------|
| multiples of 20 | | |
| not multiples of 20 | | |

2 marks

Q33.

Nik uses this graph to change between pounds (f), dollars and euros.



Use the graph to work out the missing numbers below.

The first one is done for you.





2 marks

Q34.

This table shows when flights take off at an airport.

| Flight number | Destination | Take-off time |
|---------------|-------------|---------------|
| AX40 | Paris | 13:35 |
| BH253 | Berlin | 14:05 |
| CG008 | Rome | 15:25 |
| DP369 | Paris | 15:40 |
| EZ44 | Lisbon | 16:15 |
| FJ994 | Dublin | 17:25 |

How many flights take off between 3pm and 5pm?



1 mark

How much later does the second flight to Paris take off than the first?



The flight to Dublin takes 50 minutes.

What time does it arrive in Dublin?



1 mark

Mark schemes

Q1.

Award TWO marks for only two correct boxes ticked, as shown:

There are more cheetahs than jaguars.

The total number of lions and tigers is 10

One-quarter of the big cats are cheetahs.



There are more than 5 jaguars.

Award **ONE** mark for:

only one correct box ticked and no incorrect boxes ticked

OR

• two correct boxes ticked and one incorrect box ticked. Accept alternative unambiguous positive indications, e.g. Y. Up to 2 marks

[2]

[2]

Q2.

(a) 7
 Do not accept -7 or 7 (b) Oslo
 Accept unambiguous abbreviations or recognisable misspellings.

Q3.

The correct time circled as shown:

| Leaves London | Arrives Paris |
|---------------|---------------|
| 12:01 | 15:22 |
| 12:25 | 15:56 |
| 13:31 | 16:53 |
| 14:01 | 17:26 |
| 14:31 | 17:53 |
| 15:31 | 18:53 |
| 16:01 | 19:20 |

Accept alternative unambiguous positive indications, e.g. 14:01 ticked or underlined.

Accept 17:26 circled in addition to 14:01, provided no other time is circled.

Do not accept only the arrival time 17:26 circled.

Q4.

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

Q5.

| (a) | 1974 OR 1975 OR 1976 | 1 | |
|-------------------|--|---|-----|
| (b) | A whole number answer in the range 130 000 to 180 000 inclusive. | 1 | |
| (c) | A whole number answer in the range 510 000 to 550 000 exclusive . Do not accept 510 000 OR 550 000 | 1 | [3] |
| Q6. (a) | 38 The answer is a time interval. | 1 | |
| (b) | 10:21 The answer is a specific time. | | |
| (c) | 10:58 | 1 | [3] |

Q7.

Gives a correct description that indicates the delivery cost is constant, eg:

• The delivery cost is always £5

- The cost is always £5 no matter how much the toy costs
- Delivery stays the same as the cost of toy increases

Accept minimally acceptable explanation, eg:

- It is £5
- Accept omission of the actual delivery cost, eg:
- It always costs the same
- The cost is the same
- The cost of the toy does not affect the delivery cost
- ! Condone correct response with the pound sign omitted, eg:
- It is always 5
- ! Condone explanations which refer to toys costing up to £20

Do not accept incomplete or ambiguous explanation, eg:

• They are equal amounts

Q8.

| Wednesday | Accept unambiguous abbreviations or recognisable | |
|-----------|--|---|
| | misspellings. | 1 |
| 0 | | |

6

Do not accept -6

[2]

1

[1]

Q9.

| (a) | 109 | | 1 |
|--|-----|---|---|
| (b) An explanation that recognises that ² which is two-thirds of the total (150). | | planation that recognises that 100 people get up before 9am is two-thirds of the total (150). | |
| | • | '13 + 28 + 59 = 100 which is two-thirds of the total' | |
| | • | $\frac{1}{3}$ of 150 = 50 and 2 × 50 = 100' | |
| | • | ² / ₃ of 150 is 100' | |
| | • | '36 + 14 = 50 which is one-third after 9am' Do not accept vague or incomplete explanations, eg: 'One-third are 9 o'clock or later' '100 got up at 9am' | |

- *'Twice as many got up before 9am.'*
- '13 + 28 + 59 = 100'

U1

Q10.

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



If the answer is incorrect, award **ONE** mark for three numbers correctly placed. Accept alternative unambiguous indications, eg lines drawn from the numbers to the appropriate regions of the diagram. **Do not** accept numbers written in more than one region

Up to 2

1

[2]

| Q1 | 1. | 4 km | | | |
|----|---|--|---|-----|--|
| | (u) | | 1 | | |
| | (b) | 4:15pm | | | |
| | | The answer is a specific time | 1 | | |
| | | | | [2] | |
| Q1 | 2. | | | | |
| | (a) | 16 | 1 | | |
| | (1-) | | 1 | | |
| | (D) | A whole number in the range 180 to 190 inclusive | 1 | | |
| | | | | [2] | |
| Q1 | 3. | | | | |
| | (a) An answer in the range 1/5 to 3/10 OR 20% to 30% OR 0.2 to 0.3 INCLUSIVE. | | | | |
| | | Numbers in range 20 to 30 must have % sign, eg: | | | |
| | | Do not accept '25' | | | |

- (b) An answer in the range 15 to 25 kg INCLUSIVE.
- (c) Award **TWO** marks for correct answer of 91 kg.

If answer is incorrect, award ONE mark for appropriate calculation, eg:

- 70/100 × 130 = wrong answer;
- 10% is 13 so 70% 7 x 313 = wrong answer.
- H + 2H + H + 2H = 126
- 20 + 40 + 20 + 40 = 120
 A calculation **MUST** be performed for award of one mark.
 '70/100 × 130' alone is insufficient for award of one mark.

Up to 2

1

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1

1

1

[4]

Q14.

- (a) 9
- (b) 8th of March Accept 8 Accept '7th – 8th' or similar. **Do not** accept 7th.
- (c) 39.1 **OR** 39.2

Q15.

(a) 95p

Accept £0.95 **OR** 0.95 **OR** £0.95p **OR** 95 **OR** 95 pence **OR** answers in words, in the answer box or elsewhere on the page.

(b) All three numbers, 10, 15, 20, in correct position.



[3]

1

[3]

[3]

[2]

- (c) Award **ONE** mark for correct answer of £17.10 with evidence of any appropriate working out of the answer, eg:
 - $(18 \times \pounds 1) (18 \times 5p) = \pounds 18 90p = \pounds 17.10$

| | • 18 <u>× 90</u> 1620 | 90 10 Accept £17.10p OR £17 10 OR £17 10p OR 1710p OR 17.10 OR answers in words, in the answer box or elsewh page. The mark can only be awarded if there is evidence calculation taking place. It cannot be awarded if an expression is set out but no working is shown, eg: • $(10 \times 95) + (8 \times 95) = £17.10$ • $(20 \times 95) - (2 \times 95) = £17.10$ • $18 \times 95 = £17.10$ | 18 $\frac{\times 5}{20} + 90 = £17.10$ ere on the of a n |
|--------------------|-----------------------------|--|--|
| | | 10 X 90 - 217.10 | 1 |
| Q16. (a) | 298 | | 1 |
| (b) | Award T | WO marks for the correct answer of 513 | |
| | If the an appropria | nswer is incorrect, award ONE mark for evidence of an ate strategy, eg: | |
| | • 334 - | + 179 OR 179 + 334 | |
| | | Both the numbers must be correct. | Up to 2 |
| Q17. | | | |
| (a) | 400 | Accept any value between 380 and 420 inclusive. | 1 |
| (b) | 45 | Accept any value between 43 and 47 inclusive. | 1 |

Q18.

2 marks for remainder of or 2 circle correctly divided into a 'l piece' sector and a '2½ piece' sector, and labelled 'other pets' and 'cats' respectively,



or 1 mark for remainder of circle divided into a '1 piece' sector and '2½ piece' sector, but not labelled or labelled incorrectly.



Q19.

- (a) Answer in the range of £43 to £44 inclusive.
- (b) Explanation which implies that Gary has an amount greater than £25 but less than £27.50 and that Pip has £35±1, so that their total is greater than £60, eg
 - 'Gary has 26 Pip has 35';
 - 'The chart shows that Gary has 2 and ²/₃ and Pip has 3 and a half, so that's over 60 pounds';
 - 'The whole symbols together make 50 and then it's 2 halves and Pip has half and Gary has more than half'.

Do not accept vague or arbitrary answers, eg

- 'By the number of coins';
- 'There are 5 ten pounds and 2 halves';
- 'A coin = 10 pounds and a broken coin = a fraction of a coin so a fraction of the money'.

Q20.

(a) Terry

If an answer is not given but Terry is unambiguously identified in the second part of the question then award the mark for **part (a)**.

(b) Explanations which **EITHER** identify all the discrepancies between the table and the graph **OR** which identify some of the discrepancies between the table and the graph and then use logical argument to identify Terry, eg

[2]

1

1

1

- 'There's a dog and a rabbit wrong which is what Terry's got';
- 'Because there are only 4 rabbits when there are supposed to be five and only three dogs';
- 'The dogs and rabbits aren't right';
- 'The cats are okay but there's a dog missing so it must be Terry'.
 DO NOT accept incomplete, vague or arbitrary answers, eg
 - Only 3 dogs are on the graph and there's 4';
 - 'There are 17 pets but only 15 on the graph';
 - 'They are not all there';
 - 'I looked on the graph'.

Accept correct, unambiguous explanations even if the wrong person is named in the first part of the question.

1

1

1

1

[2]

[2]

Q21.

- (a) 23rd of August **OR** 23.8.98 Accept 23rd **OR** 23 **OR** unambiguous circling of the correct date on the calendar.
- (b) Wednesday Accept Wed **OR** recognisable misspellings of Wednesday **OR** Wednesday ringed.

Q22.

(a) £1.70 **OR** 170p

Accept 1.70 **OR** 170 **OR** unambiguous indication on the table.

(b) Explanation which suggests that Dan stayed just over 2 hours and Mark stayed just under 2 hours, eg

'Dan stayed 2 hours and 5 minutes so he paid \pounds 1 but Mark stayed 5 minutes less than 2 hours and paid 50p';

'Mark stayed just under 2 hours and Dan stayed the next price up which is double'.

Accept references to '2 hours' as part of the 1 to 2 hours charging band **OR** as part of the 2 to 3 hours charging band. **Do not** accept vague or arbitrary answers, eg 'If you pay more you stay longer';

- 'Mark went before the next hour, but Dan didn't';
- 'The ten minutes could have passed one hour'.

Do not accept explanations which refer to the wrong charging band, eg

Mark stayed 4 hours and Dan stayed 4 hours and 10

Q23.

| (a) | £7.50 | |
|-----|---------|--|
| | | Accept £7.50p OR £7 50 |
| | | Do not accept £7.5 OR £750p OR £750 |
| (b) | 3:50 pm | |
| | | Accept '10 to 4' or equivalent. |
| | | Accept 15:50 OR 350 OR 1550 |

[2]

[2]

1

1

1

Q24.

| (a) | £64.30 | | |
|-----|--------|---|---|
| | | Accept £64.30p OR £64 30 | |
| | | Do not accept £6430 OR £6430p OR £64.3 | _ |
| | | | 1 |
| (b) | £4.50 | | |
| | | Accept £4.50p OR £4 50 | |
| | | Do not accept £450 OR £450p OR £4.5 | |
| | | If the final '0' is missing from both answers, ie answers given are £64.3 and £4.5 respectively, award ONE mark only in (b). | |
| | | | 1 |

[2]

Q25.

Award **TWO** marks for three letters in the correct regions of the sorting diagram, as shown:

| Α | | в |
|---|---|---|
| D | C | |

Award ONE mark for two letters in the correct regions of the sorting diagram.

Do not accept letters that are written in more than one region.

Accept alternative indications such as lines drawn from the shapes to the appropriate regions of the sorting diagram.

Up to 2

[2]

Q26.

(a) Answer in the range 44p to 46p inclusive.

Accept £0.20p **OR** £0 20 **Do not** accept 0.20p **OR** £20p

Q27.

5

Q28.

Award **TWO** marks for a correct number written in each of the four boxes.

| | even | not even |
|------------------------|---|--|
| a square number | 0 OR 4 OR 16 OR 36 OR 64 | 1 OR 9 OR 25 OR 49 OR 81 |
| not a square number | even AND not a square AND less than 100 | odd AND not square AND less than 100 |

If the answer is incorrect, award **ONE** mark for three boxes completed correctly. Accept more than one number in each box, provided all are correct.

Up to 2 [2]
Q29.
(a) 7
1
(b) 12
1
[2]

Q30.

Any odd numbered multiple of 10, ie 10 **OR** 30 **OR** 50 **OR** 70 **OR** 90 **OR** any number ending with any of the pairs of digits above.

An explanation which recognises that all multiples of 20 are also multiples of 10, eg:

- 'Because all the numbers in the 20 times table are also in the 10 times table'
- 'Because all multiples of 20 are multiples of 10'
- 'Because 20 is in the 10 times table'
- 'All multiples of 20 go in box A because 10 goes into them'
- '20 is a multiple of both 20 and 10, and so is 40, 60, etc'

1

1

1

[1]

[2]

- 'Because if it's not a multiple of 10, it can't be a multiple of 20'
- 'Because if it is a multiple of 20, it has to be a multiple of 10'
- 'Because 10 is a factor of 20'.

Do not accept vague or arbitrary explanations, eg:

- 'Because 40 is a multiple of 10'
- 'Because they would be in box A instead'
- 'Because all the multiples of 10 are multiples of 20'
- 'Because 10 is a multiple of 20'.

[2]

[2]

1

1

Q31.

| (a) | Teri | | |
|-----|------|-----------------------------------|---|
| | | Accept recognisable misspellings. | |
| | | Do not accept 16.8 | |
| | | , | 1 |
| (b) | 5 | | |

Q32.

Award **TWO** marks for one correct number written in each white section of the table, eg

| | less than 1000 | 1000 or more |
|------------------------|-------------------|-----------------|
| multiples of 20 | 100 | 2000 |
| not multiples of 20 | 19 | 1001 |

If the answer is incorrect, award **ONE** mark for three sections completed correctly. Accept more than one number in each section as long as **all** are correct.

Up to 2

1

1 U1 [2]

Q33.

105 ± 1 then 80 ± 1

150 ± 1

Q34.

| (a) | 3 | 1 |
|-----|---|---|
| (b) | 2 hours 5 minutes The answer is a time interval | 1 |
| (c) | 18:15 The answer is a specific time Accept 6:15 | 1 |

[3]