

Part A – 9 Marks

Question Number	Question	Evidence Required (marks)	Maximum Marks	PS or US	Subject Content										
1	Work out 53×8 .	Correct answer = 424	1	US	4										
2	<p>Jadon is dancing in a show.</p> <p>This is the timetable for the show.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Order of activities</th> <th style="text-align: left;">Time taken</th> </tr> </thead> <tbody> <tr> <td>Group dances</td> <td>25 minutes</td> </tr> <tr> <td>Break</td> <td>10 minutes</td> </tr> <tr> <td>Solo dances</td> <td>20 minutes</td> </tr> <tr> <td>Award presentation</td> <td>15 minutes</td> </tr> </tbody> </table> <p>The show starts at 7.00pm.</p> <p>Jadon's dance will be the first solo dance.</p> <p>What time will his dance start?</p>	Order of activities	Time taken	Group dances	25 minutes	Break	10 minutes	Solo dances	20 minutes	Award presentation	15 minutes	<p>Correct addition of total time = 25 mins + 10 mins = 35 minutes (1 mark)</p> <p>Correctly stating that Jadon's dance will start at 7.35(pm) (1 mark)</p> <p>Allow follow through based on incorrect addition. Both marks awarded for correct response. Accept correct time being presented in alternative formats (i.e. 25 to 8, 1935, etc.)</p>	2	PS	12
Order of activities	Time taken														
Group dances	25 minutes														
Break	10 minutes														
Solo dances	20 minutes														
Award presentation	15 minutes														
3	How much money has been made in total from these sales (tickets £425.50, programmes £127.50, refreshments £178.00) this year?	<p>Use addition $425.50 + 127.50 + 178$ (1 mark)</p> <p>Correct addition of total = (£)731 (1 mark)</p>	2	US	10a										
4	What is $178 - 149$?	<p>Correct subtraction:</p> <p>$178 - 149 = 29$ (1 mark)</p>	1	US	2b										

5	<p>There are 586 seats in total in seating areas A, B, C and D.</p> <p>There are 292 seats altogether in seating areas A and D.</p> <p>There are 142 seats in seating area B.</p> <p>How many seats are there in seating area C?</p>	<p>Correctly identifying the need to minus 292 from 586 (1 mark)</p> <p>Correctly identifies the need to minus 142 from 294 or adds 292 + 142 and completes the subtraction (1 mark)</p> <p>Correct answer = 152 (1 mark)</p> <p>Award 3 marks if only correct answer seen.</p>	3	PS	2b
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Part B – 27 Marks

Question Number	Question	Evidence Required (marks)	Maximum Marks	PS or US	Subject Content												
6	<p>Jadon is on stage facing Seating Area B. He does a clockwise quarter turn.</p> <p>Use the stage plan to work out which seating area he is now facing.</p>	He must face seating area D	1	PS	20a												
7	<p>Complete the sequence of numbers below.</p> <p>9 18 27 ___ ___ ___</p> <p> ___ 72</p>	Completed sequence i.e. 36, 45, 54, 63	1	US	6												
8	<p>The leisure centre has 5 swimming pools.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Pool</th> <th style="width: 50%;">Length</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>7400mm</td> </tr> <tr> <td>2</td> <td>850cm</td> </tr> <tr> <td>3</td> <td>8m</td> </tr> <tr> <td>4</td> <td>750cm</td> </tr> <tr> <td>5</td> <td>8100mm</td> </tr> </tbody> </table> <p>Hanif wants to swim in the longest pool.</p> <p>What is the length of the longest pool?</p>	Pool	Length	1	7400mm	2	850cm	3	8m	4	750cm	5	8100mm	<p>1 mark if pool 2 or 850 identified</p> <p>2 marks for 850cm (must have units)</p>	2	PS	15
Pool	Length																
1	7400mm																
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9	<p>Hanif hopes to raise £650 from sponsors.</p> <p>He has raised £322.60 on line and £247.85 in cash.</p> <p>How much more must he raise to reach £650?</p>	<p>Correctly identifying the method required. Finding difference between numbers or subtracting 322.60 and 247.85 from 650 (1 mark)</p> <p>Correct answer = £79.55 (1 mark)</p> <p>Answer mark must use correct notation and record both decimal places.</p> <p>Award 2 marks for correct answer seen.</p>	2	PS	10a
10	<p>Pair of goggles usually cost £8.80</p> <p>An offer shows $\frac{1}{4}$ off price of goggles.</p> <p>Hanif thinks the goggles will cost £6.00</p> <p>Is Hanif correct? Explain your answer.</p>	<p>Correctly calculating $\frac{1}{4}$ of £8.80 = £2.20 (1 mark)</p> <p>Subtracting £2.20 from £8.80 = £6.60 (1 mark)</p> <p><i>Allow follow through for incorrect calculation of $\frac{1}{4}$ of £8.80.</i></p> <p>Accept alternative calculation $\frac{3}{4}$ of £8.80 (2 marks)</p> <p>Correct interpretation that Hanif is incorrect (1 mark)</p> <p>Allow follow through based on incorrect calculations.</p> <p>No marks will be given for a “no” answer with no calculations.</p>	3	PS	7

11a	<p>Meg's dog weighs 22.5kg She needs to know how much to feed her dog. She uses this weight chart below to help her:</p> <table border="0"> <tr> <td>Dog's weight (kg)</td> <td>Number of tins of food per year</td> </tr> <tr> <td>10 - 14</td> <td>320</td> </tr> <tr> <td>15 - 19</td> <td>480</td> </tr> <tr> <td>20 - 24</td> <td>640</td> </tr> <tr> <td>25 - 29</td> <td>800</td> </tr> </table> <p>There are 12 tins in each pack How many packs will Meg need to buy for a year? Show your workings.</p>	Dog's weight (kg)	Number of tins of food per year	10 - 14	320	15 - 19	480	20 - 24	640	25 - 29	800	Recognising that the dog needs 640 tins each year (1 mark)	1	PS	21a
		Dog's weight (kg)	Number of tins of food per year												
10 - 14	320														
15 - 19	480														
20 - 24	640														
25 - 29	800														
Calculating that $640/12 = 53.333$ (or 53 remainder 4) (1 mark) Correctly interpreting that 54 packs will be needed. (1 mark) Award 3 marks for correct answer seen	2	3													
11b	<p>A month later, the vet weighs the dog. He has gained 100 grams in weight. Meg thinks he now weighs over 23kg. Is Meg correct? Explain your answer.</p>	<p>Correctly identifying that $100g = 0.1kg$ (1 mark) Explanation that she is not correct because the dog must now weigh 22.6kg (1 mark) Accept similar wording which refers to the dog's weight.</p>	2	PS	16										
12	<p>The dog walks 1.25 km every day. How far does he walk in a week?</p>	Multiplying 1.25 by 7 (1 mark)	1	US	8										
		<p>Correct answer = 8.75 (km) (1 mark) Award 2 marks if only correct answer recorded.</p>	1		4										

13	<p>The dog's water bowl holds 400ml when full.</p> <p>He should drink half a litre of water each day.</p> <p>Will he need more water in the bowl before the end of the day?</p> <p>Give a reason for your answer.</p>	<p>A reason that recognises that 400 ml is less than half a litre (1 mark)</p> <p>Correctly stating that the bowl will need more water (1 marks)</p> <p>No marks should be awarded if a valid reason is not given.</p>	2	PS	17												
14	<p>How many shifts does Sam work with Bob?</p>	<table border="1"> <thead> <tr> <th>Staff member</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>Gill</td> <td>5</td> </tr> <tr> <td>Aisha</td> <td>3</td> </tr> <tr> <td>Sam</td> <td>7</td> </tr> <tr> <td>Juan</td> <td>5</td> </tr> <tr> <td>Bob</td> <td>3</td> </tr> </tbody> </table>	Staff member	Frequency	Gill	5	Aisha	3	Sam	7	Juan	5	Bob	3	1	PS	21c
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15	<p>Aisha decides to keep a running total of all the hours she works at the shop.</p> <p>Complete the table to show her running totals for week 5</p>	<p>Correct answer seen 47.5</p>	1	PS	9												
16	<p>Complete the table to show the rounded amounts (to nearest pound).</p>	<p>All amounts rounded to nearest pound (2 marks) Tuesday £85, Wednesday £54, Thursday £84, Friday £109, Saturday £97</p> <p>3 or 4 correct entries (1 mark)</p>	2	US	11												
17	<p>Sam thinks more money is received on Mondays.</p> <p>Is Sam correct? Explain your answer.</p>	<p>Answer with explanation e.g. No. £791 on Thursdays or No, more money is received on Thursday</p> <p>Allow mark for No and any valid explanation</p>	1	PS	1b												

18	<p>Sam wants to show staff how sales of different items compare. She makes a list of the sales of these items from one day. This is her list:</p> <ul style="list-style-type: none"> • Books - £27 • Clothes - £43 • Games - £38 <p>Create a graph or chart to show this information.</p>	<p>Appropriate scale selected and represented on vertical axis (1 mark) and Appropriate labelling of key elements of graph or chart (use of either key or labels to indicate what the bars represent) (1 mark), eg clothes, games, books and 3 lines or bars plotted accurately and correspond to numbers on list. (1 mark) Organised in ascending or descending order (1 mark)</p> <p>A maximum of 4 marks available for this question.</p>	4	PS	23b
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