

# Magdalen College School

## 7+ Mathematics Exam Paper

### Answers

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## Answers

| Question     | Answer<br><small>All answers are worth one mark, unless stated otherwise.</small>   |     |            |     |            |     |            |     |
|--------------|---|-----|------------|-----|------------|-----|------------|-----|
| 1            | $5+5+5 = 5 \times 3$<br>$7+7+7 = 7 \times 3$<br>$5+5+5+5+5 = 5 \times 5$  |     |            |     |            |     |            |     |
|              | <i>3 marks</i>  |     |            |     |            |     |            |     |
| 2            | <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">10</td> <td style="padding: 5px;"><u>79</u></td> <td style="padding: 5px;">270</td> <td style="padding: 5px;"><u>280</u></td> <td style="padding: 5px;">285</td> <td style="padding: 5px;"><u>340</u></td> <td style="padding: 5px;">480</td> </tr> </table> | 10  | <u>79</u>  | 270 | <u>280</u> | 285 | <u>340</u> | 480 |
| 10           | <u>79</u>   | 270 | <u>280</u> | 285 | <u>340</u> | 480 |            |     |
|              | <i>3 marks</i>  |     |            |     |            |     |            |     |
| 3            | <p style="margin: 0;"><b>181</b></p> <p style="margin: 0;"><math>84+97 = 181</math></p> <p style="margin: 0;"><small>Two largest numbers must be in the tens column and smallest as the units to give us the biggest number. As it's addition, it doesn't matter which way around you put them after this (<math>84+97 = 87+94</math>).</small></p>             |     |            |     |            |     |            |     |
|              | <i>4 marks</i>  |     |            |     |            |     |            |     |
| 4            |   |     |            |     |            |     |            |     |
|              | <i>2 marks</i>  |     |            |     |            |     |            |     |
| 5            | <b>27</b>   |     |            |     |            |     |            |     |
| 6            | <b>0m 80cm</b>  |     |            |     |            |     |            |     |
|              | <i>2 marks</i>  |     |            |     |            |     |            |     |
| 7            | <p style="margin: 0;"><b>8</b></p> <p style="margin: 0;"><small><math>\frac{1}{4}</math> of 16 = 4</small></p> <p style="margin: 0;"><small>So <math>\frac{1}{2}</math> of ? = 4</small></p> <p style="margin: 0;"><small><math>\frac{1}{2}</math> of 8 = 4</small></p>   |     |            |     |            |     |            |     |
| <i>Total</i> | <i>/16</i>  |     |            |     |            |     |            |     |

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