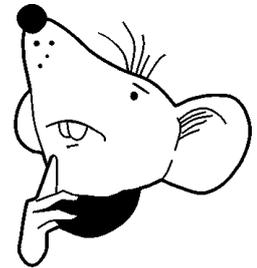
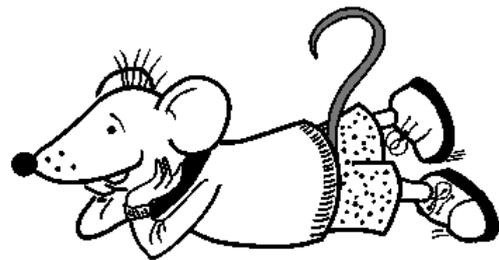
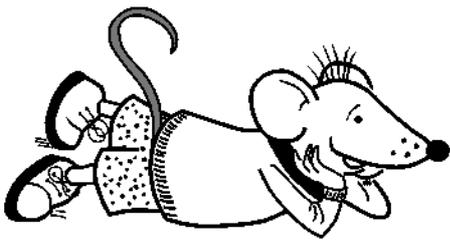


# MENTAL ARITHMETIC



## YEAR 5

## AUTUMN TERM



# MathSphere

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 1**

| Paper 1  |  | Answer                  | Paper 2  |  | Answer                  |
|--|--|-------------------------|--|--|-------------------------|
| 1. Write in figures:   |  | <b>64 837</b>           | 1. Write in figures:   |  | <b>57 923</b>           |
|  | Sixty four thousand, eight hundred and thirty seven. |                         |  | Fifty seven thousand, nine hundred and twenty three. |                         |
| 2. Write in figures:   |  | <b>22 615</b>           | 2. Write in figures:   |  | <b>16 237</b>           |
|  | Twenty two thousand, six hundred and fifteen.        |                         |  | Sixteen thousand, two hundred and thirty seven.      |                         |
| 3. What does the digit 5 stand for in the number:  |  | <b>50 000</b>           | 3. What does the digit 2 stand for in the number:  |  | <b>2 000</b>            |
|  | 57 392 ?   |                         |  | 42 744 ?   |                         |
| 4. What is the value of the digit 8 in the number:   |  | <b>800</b>              | 4. What is the value of the digit 6 in the number:   |  | <b>60 000</b>           |
|  | 79 841 ?   |                         |  | 63 994 ?   |                         |
| 5. What is 36 multiplied by 100 ?  |  | <b>3 600</b>            | 5. What is 59 multiplied by 100 ?  |  | <b>5 900</b>            |
| 6. How many £10 notes make £30 ?   |  | <b>3</b>                | 6. How many £10 notes make £80 ?   |  | <b>8</b>                |
| 7. Which is bigger:  |  | <b>14 695</b>           | 7. Which is bigger:  |  | <b>36 724</b>           |
|  | 14 569 or 14 695 ?                                   |                         |  | 36 724 or 36 247 ?                                   |                         |
| 8. How many times is 870 bigger than 87 ?  |  | <b>10</b>               | 8. How many times is 560 bigger than 56 ?  |  | <b>10</b>               |
| 9. A journey lasts 3 hours, give or take 10 minutes. What is the longest the journey could have taken? |  | <b>3 hrs<br/>10 min</b> | 9. A journey lasts 5 hours, give or take 20 minutes. What is the longest the journey could have taken? |  | <b>5 hrs<br/>20 min</b> |
| 10. The distance from New York to London is 6 804 miles. What is this to the nearest 1000 miles?       |  | <b>7 000<br/>miles</b>  | 10. The distance from Sydney to London is 19 681 miles. What is this to the nearest 1000 miles?        |  | <b>20 000<br/>miles</b> |
| Comment:   |  |                         | Comment:   |  |                         |

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 2**

| Paper 3   | Answer                                 | Paper 4  | Answer                                 |
|---|--|--|--|
| 1. What is the next number in this sequence:<br><br>-7, -8, -9, -10, ?                                      | <b>-11</b>                             | 1. What is the next number in this sequence:<br><br>-12, -14, -16, -18, ?                                    | <b>-20</b>                             |
| 2. What is the next number in this sequence:<br><br>-12, -11, -10, -9, ?                                    | <b>-8</b>                              | 2. What is the next number in this sequence:<br><br>-22, -20, -18, -16, ?                                    | <b>-14</b>                             |
| 3. What is the next number in this sequence:<br><br>-4, -3, -2, -1, ?                                       | <b>0</b>                               | 3. What is the next number in this sequence:<br><br>-12, -9, -6, -3, ?                                       | <b>0</b>                               |
| 4. The temperature is $-6^{\circ}\text{C}$ . It rises by $2^{\circ}\text{C}$ . What is the temperature now? | <b><math>-4^{\circ}\text{C}</math></b> | 4. The temperature is $-13^{\circ}\text{C}$ . It rises by $5^{\circ}\text{C}$ . What is the temperature now? | <b><math>-8^{\circ}\text{C}</math></b> |
| 5. Gita counts in sixes. What is the number she counts after 96 ?   | <b>102</b>                             | 5. Lisa counts in nines. What is the number she counts after 63 ?  | <b>72</b>                              |
| 6. Count back four fives from 134. What number do you get?  | <b>114</b>                             | 6. Count back three sixes from 60. What number do you get?   | <b>42</b>                              |
| 7. Fill in the missing number:<br><br><input type="text"/> , 28, 35, 42, 49.                                | <b>21</b>                              | 7. Fill in the missing number:<br><br><input type="text"/> , 40, 48, 56, 64.                                 | <b>32</b>                              |
| 8. Ken counts a sequence beginning at 8 and going up in sevens. Is the number 21 in his sequence?           | <b>no</b>                              | 8. Tom counts a sequence beginning at 12 and going up in sixes. Is the number 30 in his sequence?            | <b>yes</b>                             |
| 9. Which of these numbers is in the eleven times table:<br><br>22, 56, 66, 89 ?                             | <b>22</b><br><b>66</b>                 | 9. Which of these numbers is in the eleven times table:<br><br>43, 55, 77, 88 ?                              | <b>55</b><br><b>77</b><br><b>88</b>    |
| 10. What is $34 \times 100$ ?   | <b>3 400</b>                           | 10. What is $78 \times 100$ ?  | <b>7 800</b>                           |
| Comment:  |  | Comment:   |  |

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 3**

| Paper 5  |  | Answer | Paper 6   |   | Answer |
|--|--|--------|---|---|--------|
| 1. Which of these numbers have the factor 5:<br><br>12, 45, 67, 90 ?                                     | <b>45</b><br><b>90</b>                               |        | 1. Which of these numbers have the factor 6:<br><br>19, 36, 60, 68 ?                                  | <b>36</b><br><b>60</b>                              |        |
| 2. What is $4 \times 4$ ?  | <b>16</b>  |        | 2. What is $7 \times 7$ ?   | <b>49</b>   |        |
| 3. What is $6 \times 6$ ?  | <b>36</b>  |        | 3. What is $9 \times 9$ ?   | <b>81</b>   |        |
| 4. What is one half of a half?   | <b>quarter</b>                                       |        | 4. What is one half of a third?   | <b>sixth</b>  |        |
| 5. What is one tenth of 560 ?  | <b>56</b>  |        | 5. What is one tenth of 830 ?   | <b>83</b>   |        |
| 6. What is $\frac{3}{10}$ of 40 ?  | <b>12</b>  |        | 6. What is $\frac{8}{10}$ of 50 ?   | <b>40</b>   |        |
| 7. Michael has three times as many stamps as Jean.<br>If Michael has 36 stamps, how many does Jean have? | <b>12</b>  |        | 7. Joanne has five times as many stamps as Pete.<br>If Joanne has 45 stamps, how many does Pete have? | <b>9</b>  |        |
| 8. Write $\frac{6}{10}$ as a decimal.  | <b>0.6</b>   |        | 8. Write $\frac{8}{10}$ as a decimal.   | <b>0.8</b>  |        |
| 9. Write $\frac{4}{10}$ as a decimal.  | <b>0.4</b>   |        | 9. Write $\frac{1}{10}$ as a decimal.   | <b>0.1</b>  |        |
| 10. What does the digit 8 in 5.8 represent?  | <b><math>\frac{8}{10}</math><br/>or eight tenths</b> |        | 10. What does the digit 5 in 9.5 represent?   | <b><math>\frac{5}{10}</math><br/>or five tenths</b> |        |
| Comment:   |  |        | Comment:  |   |        |

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 4**

| Paper 7  | Answer                          | Paper 8  | Answer                          |
|--|---------------------------------|--|---------------------------------|
| 1. What is one half written as a decimal?              | <b>0.5</b>                      | 1. What is one quarter written as a decimal?           | <b>0.25</b>                     |
| 2. What is one quarter written as a decimal?           | <b>0.25</b>                     | 2. What is six tenths written as a decimal?            | <b>0.6</b>                      |
| 3. What fraction is equivalent to 0.75 ?               | <b><math>\frac{3}{4}</math></b> | 3. What fraction is equivalent to 0.25 ?               | <b><math>\frac{1}{4}</math></b> |
| 4. Add 50 to 678.                                      | <b>728</b>                      | 4. Add 90 to 277.                                      | <b>367</b>                      |
| 5. Add 111 and 556.                                    | <b>667</b>                      | 5. Add 111 and 748.                                    | <b>859</b>                      |
| 6. What is 130 subtract 35 ?                           | <b>95</b>                       | 6. What is 370 subtract 80 ?                           | <b>290</b>                      |
| 7. Decrease 100 by 55.                                 | <b>45</b>                       | 7. Decrease 100 by 37                                  | <b>63</b>                       |
| 8. What must I add to 34 to make 100 ?                 | <b>66</b>                       | 8. What must I add to 92 to make 100 ?                 | <b>8</b>                        |
| 9. What is the double of 64 ?                          | <b>128</b>                      | 9. What is the double of 73 ?                          | <b>146</b>                      |
| 10. If $456 + 983 = 1\ 439$ , what is $1\ 439 - 983$ ? | <b>456</b>                      | 10. If $733 + 888 = 1\ 621$ , what is $1\ 621 - 733$ ? | <b>888</b>                      |
| Comment:   |                                 | Comment:   |                                 |

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 5**

| Paper 9   |  | Answer       | Paper 10  |  | Answer       |
|---|--|--------------|---|--|--------------|
| 1. If $56 \times 72 = 4\ 032$ ,<br>what is $72 \times 56$ ? |  | <b>4 032</b> | 1. If $96 \times 88 = 8\ 448$ ,<br>what is $88 \times 96$ ? |  | <b>8 448</b> |
| 2. What are two twelves?                                    |  | <b>24</b>    | 2. What are three twelves?                                  |  | <b>36</b>    |
| 3. What is $56 \times 12 \times 0$ ?                        |  | <b>0</b>     | 3. What is $94 \times 0 \times 15$ ?                        |  | <b>0</b>     |
| 4. What is the product<br>of 25 and 4 ?                     |  | <b>100</b>   | 4. What is the product<br>of 20 and 6 ?                     |  | <b>120</b>   |
| 5. What is the quotient<br>of 21 and 7 ?                    |  | <b>3</b>     | 5. What is the quotient<br>of 42 and 6 ?                    |  | <b>7</b>     |
| 6. What is the total<br>of 56 and 80 ?                      |  | <b>136</b>   | 6. What is the total<br>of 83 and 60 ?                      |  | <b>143</b>   |
| 7. What is the difference<br>between 78 and 6 ?             |  | <b>72</b>    | 7. What is the difference<br>between 37 and 13 ?            |  | <b>24</b>    |
| 8. What is one third of 24 ?                                |  | <b>8</b>     | 8. What is one quarter of 44 ?                              |  | <b>11</b>    |
| 9. What is six times eight?                                 |  | <b>48</b>    | 9. What is nine times six?                                  |  | <b>54</b>    |
| 10. What is twice 75 ?                                      |  | <b>150</b>   | 10. What is twice 95 ?                                      |  | <b>190</b>   |
| Comment:  |  |              | Comment:  |  |              |

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 6**

| Paper 11  |  | Answer         | Paper 12  |  | Answer                    |
|---|--|----------------|---|--|---------------------------|
| 1. What is twice seventy plus eighteen?   |  | <b>158</b>     | 1. What is twice sixty five plus ten?   |  | <b>140</b>                |
| 2. What is $36 \times 100$ ?  |  | <b>3 600</b>   | 2. What is $48 \times 100$ ?  |  | <b>4 800</b>              |
| 3. What is $36 \times 50$ ?   |  | <b>1 800</b>   | 3. What is $48 \times 50$ ?   |  | <b>2 400</b>              |
| 4. What is $15 \times 20$ ?   |  | <b>300</b>     | 4. What is $35 \times 20$ ?   |  | <b>700</b>                |
| 5. Ahmed buys twenty packs of marbles. There are twelve marbles in a pack. How many marbles does he buy altogether? |  | <b>240</b>     | 5. Trudy buys thirty packets of cakes. There are eight cakes in one packet. How many cakes does she buy altogether? |  | <b>240</b>                |
| 6. What is $23 \times 3$ ?  |  | <b>69</b>      | 6. What is $34 \times 3$ ?  |  | <b>102</b>                |
| 7. Which shape has six sides?   |  | <i>hexagon</i> | 7. Which shape has eight sides?   |  | <i>octagon</i>            |
| 8. Which shape has four straight sides of equal length and four right angles?                                       |  | <i>square</i>  | 8. Which shape has three straight sides, with two of them the same length ?   |  | <i>isosceles triangle</i> |
| 9. How many lines of symmetry does a regular hexagon have?  |  | <b>6</b>       | 9. How many lines of symmetry does an equilateral triangle have?  |  | <b>3</b>                  |
| 10. What is the perimeter of a regular octagon if one side is nine centimetres long?                                |  | <b>72 cm</b>   | 10. What is the perimeter of an equilateral triangle if one side is thirteen centimetres long?                      |  | <b>39 cm</b>              |
| Comment:  |  |                | Comment:  |  |                           |

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 7**

| Paper 13  | Answer                         | Paper 14  | Answer   |
|---|--------------------------------|---|--|
| 1. Julie is 153 cm tall.<br>John is 25 cm taller.<br>How tall is John?      | <b>178<br/>cm</b>              | 1. Mary is 127 cm tall.<br>Wendy is 17 cm taller.<br>How tall is Wendy?                                 | <b>144<br/>cm</b>                              |
| 2. Ahmed is 103 cm tall.<br>Peter is 17 cm shorter.<br>How tall is Peter?   | <b>86 cm</b>                   | 2. Corrine is 109 cm tall.<br>Henriette is 15 cm shorter.<br>How tall is Henriette?                     | <b>94 cm</b>                                   |
| 3. Robyn saves £4.50 a week.<br>How much has she saved<br>after 6 weeks?    | <b>£27.00</b>                  | 3. Grandma gives £8.50 to<br>each of her 4 grandchildren.<br>How much does she give<br>them altogether? | <b>£34.00</b>                                  |
| 4. What is the difference<br>between £1.50 and 80p ?                        | <b>70p</b>                     | 4. What is the difference<br>between £7.30 and 90p ?  | <b>£6.40</b>                                   |
| 5. Will the answer to<br>$6\,782 + 5\,934$<br>be odd or even?               | <b>even</b>                    | 5. Will the answer to<br>$8\,375 + 3\,892$<br>be odd or even?   | <b>odd</b>                                     |
| 6. Will the answer to<br>$9\,465 + 3\,877$<br>be odd or even?               | <b>even</b>                    | 6. Will the answer to<br>$12\,725 + 8\,374$<br>be odd or even?  | <b>odd</b>                                     |
| 7. What is the last digit in<br>the answer to the sum:<br><br>$57 + 92$ ?   | <b>9</b>                       | 7. What is the last digit in<br>the answer to the sum:<br><br>$25 + 73$ ?                               | <b>8</b>                                       |
| 8. What is the last digit in<br>the answer to the sum:<br><br>$553 + 744$ ? | <b>7</b>                       | 8. What is the last digit in<br>the answer to the sum:<br><br>$888 + 927$ ?                             | <b>5</b>                                       |
| 9. What is the last digit in<br>the answer to the sum:<br><br>$488 + 375$ ? | <b>3</b>                       | 9. What is the last digit in<br>the answer to the sum:<br><br>$174 + 588$ ?                             | <b>2</b>                                       |
| 10. Write down the months<br>which have thirty days in<br>them.             | <b>Apr Jun<br/>Sep<br/>Nov</b> | 10. Write down the months<br>which have thirty one days in<br>them.                                     | <b>Jan Mar<br/>May Jul<br/>Aug<br/>Oct Dec</b> |
| Comment:  |                                | Comment:  |  |

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 8**

| Paper 15   | Answer                           | Paper 16  | Answer              |
|--|----------------------------------|---|---------------------|
| 1. What is the next number in the sequence:<br><br>1, 2, 4, 8, ?   | <b>16</b>                        | 1. What is the next number in the sequence:<br><br>1, 4, 16, 64, ?  | <b>256</b>          |
| 2. What is the next number in the sequence:<br><br>2, 4, 8, 16, ?  | <b>32</b>                        | 2. What is the next number in the sequence:<br><br>1, 3, 5, 7, ?  | <b>9</b>            |
| 3. What is my change from a £10 note if I spend £7.32 ?  | <b>£2.68</b>                     | 3. What is my change from a £10 note if I spend £4.39 ?   | <b>£5.61</b>        |
| 4. What is my change from a £20 note if I spend £15.58 ?   | <b>£4.42</b>                     | 4. What is my change from a £20 note if I spend £13.62 ?  | <b>£6.38</b>        |
| 5. There are twelve eggs in a box. How many eggs will there be in 5 boxes?   | <b>60</b>                        | 5. There are six chocolate eggs in a box. How many eggs will there be in 15 boxes?                              | <b>90</b>           |
| 6. A bus holds 36 people. How many people can sit on two buses?  | <b>72</b>                        | 6. A boat holds 24 people. How many people can sit on three boats?  | <b>72</b>           |
| 7. Yasmin had a box of 100 biscuits. She ate one fifth of them. How many were left in the box?<br>Was she poorly?  | <b>80</b><br><br><i>probably</i> | 7. Jemima had a packet of 60 chocolate drops. She ate one sixth of them. How many were left in the box?         | <b>50</b>           |
| 8. Ravi paid £24.50 for two football tickets. How much was each ticket?  | <b>£12.25</b>                    | 8. Mike paid £17.60 for two CDs. How much was each CD?  | <b>£8.80</b>        |
| 9. Danny used 300 grams of potatoes in a recipe. He had 1 700 grams of potatoes left in the cupboard. How many kilograms of potatoes had he in the cupboard to begin with? | <b>2 Kg</b>                      | 9. Fred bought 2 Kg of sausages. He cooked one quarter of them for a barbecue. How many grams did he have left? | <b>1 500 g</b>      |
| 10. The Grand Prix car race began at 2.00 p.m. and finished at 3.47 p.m. How long did it last?   | <b>1 hr 47 mins</b>              | 10. The Wanderers football match began at 1.40 p.m. and finished at 3.10 p.m. How long did it last?             | <b>1 hr 30 mins</b> |
| Comment:   |                                  | Comment:  |                     |

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 9**

| Paper 17  | Answer                                 | Paper 18   | Answer                      |
|---|--|--|-----------------------------|
| 1. How many grams are there in 6 Kg?  | <b>6 000</b>                           | 1. How many grams are there in 10 Kg?  | <b>10 000</b>               |
| 2. How many grams are there in 2.3 Kg?  | <b>2 300</b>                           | 2. How many grams are there in 5.6 Kg?   | <b>5 600</b>                |
| 3. How many centimetres are there in 4 metres?  | <b>400</b>                             | 3. How many centimetres are there in 9 metres?   | <b>900</b>                  |
| 4. How many centimetres are there in 6.5 metres?  | <b>650</b>                             | 4. How many centimetres are there in 8.2 metres?   | <b>820</b>                  |
| 5. How many millilitres are there in 4 litres?  | <b>4 000</b>                           | 5. How many millilitres are there in 9 litres?   | <b>9 000</b>                |
| 6. How many centimetres are there in three quarters of a metre?                           | <b>75</b>                              | 6. How many centimetres are there in one fifth of a metre?                                 | <b>20</b>                   |
| 7. Which metric unit would you use to measure the length of the classroom?                | <b>metre</b>                           | 7. Which metric unit would you use to measure the length of the your finger?               | <b>cm</b>                   |
| 8. Which metric unit would you use to measure the volume of a CD case?                    | <b>ml<br/>( or <math>cm^3</math> )</b> | 8. Which metric unit would you use to measure the volume of a bucket?                      | <b>litre</b>                |
| 9. A rectangle is 12 cm long and four and a half centimetres wide. What is its perimeter? | <b>33 cm</b>                           | 9. A rectangle is 15 cm long and three and a half centimetres wide. What is its perimeter? | <b>37 cm</b>                |
| 10. A rectangle is 14 cm long and two and a half centimetres wide. What is its area?      | <b>35 <math>cm^2</math></b>            | 10. A rectangle is 12 cm long and four and a half centimetres wide. What is its area?      | <b>54 <math>cm^2</math></b> |
| Comment:  |  | Comment:   |                             |

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 10**

| Paper 19   | Answer                           | Paper 20   | Answer                           |
|--|----------------------------------|--|----------------------------------|
| 1. What is 4 p.m. on the 24 hour clock?  | <b>16:00</b><br><i>(or 1600)</i> | 1. What is 8 p.m. on the 24 hour clock?                                    | <b>20:00</b><br><i>(or 2000)</i> |
| 2. What is 9.30 p.m. on the 24 hour clock?   | <b>21.30</b>                     | 2. What is 7.45 p.m. on the 24 hour clock?                                 | <b>19.45</b>                     |
| 3. What is 15:20 on the 12 hour clock?   | <b>3.20</b><br><b>p.m.</b>       | 3. What is 13:50 on the 12 hour clock?                                     | <b>1.50</b><br><b>p.m.</b>       |
| 4. What is 08:15 on the 12 hour clock?   | <b>8.15</b><br><b>a.m.</b>       | 4. What is 11:27 on the 12 hour clock?                                     | <b>11.27</b><br><b>a.m.</b>      |
| 5. What unit would you use to measure the time needed to boil an egg?                    | <b>minute</b>                    | 5. What unit would you use to measure the time needed to eat a cake?       | <b>minute</b><br><b>(sec!!)</b>  |
| 6. What unit would you use to measure the time it takes the Moon to go around the Earth? | <b>day</b>                       | 6. What unit would you use to measure the time it takes to run 100 metres? | <b>sec</b>                       |
| 7. How long is it from 9.30 a.m. to 2.30 p.m.?   | <b>5 hrs</b>                     | 7. How long is it from 2.40 a.m. to 2.40 p.m.?                             | <b>12 hrs</b>                    |
| 8. How long is it from 8.30 a.m. to noon?  | <b>3hr</b><br><b>30 min</b>      | 8. How long is it from 6.30 p.m. to midnight?                              | <b>5hr</b><br><b>30 min</b>      |
| 9. How many lines of symmetry does a regular hexagon have?                               | <b>6</b>                         | 9. How many lines of symmetry does a regular octagon have?                 | <b>8</b>                         |
| 10. Do all hexagons have the same number of lines of symmetry?                           | <b>no</b>                        | 10. Do all octagons have the same number of lines of symmetry?             | <b>no</b>                        |
| Comment:   |                                  | Comment:   |                                  |

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 11**

| Paper 21  |                    | Answer | Paper 22   |                    | Answer |
|---|--------------------|--------|--|--------------------|--------|
| 1. What are nine sevens?  | <b>63</b>          |        | 1. What are five eights?   | <b>40</b>          |        |
| 2. What are six eights?   | <b>48</b>          |        | 2. What are four sevens?   | <b>28</b>          |        |
| 3. What are ten seventeens?   | <b>170</b>         |        | 3. What are ten eighteens?   | <b>180</b>         |        |
| 4. What are four nines?   | <b>36</b>          |        | 4. What are six nines?   | <b>54</b>          |        |
| 5. How many cakes are there altogether, if there are nine boxes and each box holds six cakes? | <b>54</b>          |        | 5. How many chocolates are there altogether, if there are eight boxes and each box holds fifteen chocolates? | <b>120</b>         |        |
| 6. Which is greater: four eights or seven fives?  | <b>seven fives</b> |        | 6. Which is greater: three nines or five fives?  | <b>three nines</b> |        |
| 7. What is $28 \times 3$ ?  | <b>84</b>          |        | 7. What is $36 \times 4$ ?   | <b>144</b>         |        |
| 8. How many sixes are there in fifty four?  | <b>9</b>           |        | 8. How many nines are there in eighty one?   | <b>9</b>           |        |
| 9. How many sevens are there in forty nine?   | <b>7</b>           |        | 9. How many eights are there in forty eight?   | <b>6</b>           |        |
| 10. What is 120 divided by 10 ?   | <b>12</b>          |        | 10. What is 450 divided by 10 ?  | <b>45</b>          |        |
| Comment:  |                    |        | Comment:   |                    |        |

**MENTAL ARITHMETIC : YEAR 5 : AUTUMN TERM : WEEK 12**

| Paper 23                         | Answer       | Paper 24                         | Answer       |
|----------------------------------|--------------|----------------------------------|--------------|
| 1. What is $45 + 78$ ?           | <b>123</b>   | 1. What is $39 + 67$ ?           | <b>106</b>   |
| 2. What is $73 + 96$ ?           | <b>169</b>   | 2. What is $29 + 83$ ?           | <b>112</b>   |
| 3. What is $156 + 90$ ?          | <b>246</b>   | 3. What is $184 + 70$ ?          | <b>254</b>   |
| 4. What is $376 + 100$ ?         | <b>476</b>   | 4. What is $299 + 100$ ?         | <b>399</b>   |
| 5. What is $728 + 200$ ?         | <b>928</b>   | 5. What is $628 + 300$ ?         | <b>928</b>   |
| 6. What is $839 + 200$ ?         | <b>1 039</b> | 6. What is $999 + 100$ ?         | <b>1 099</b> |
| 7. What is $1\ 000 - 9$ ?        | <b>991</b>   | 7. What is $1\ 000 - 11$ ?       | <b>989</b>   |
| 8. What is $1\ 000 - 20$ ?       | <b>980</b>   | 8. What is $1\ 000 - 40$ ?       | <b>960</b>   |
| 9. What is $560 - 32$ ?          | <b>528</b>   | 9. What is $730 - 27$ ?          | <b>703</b>   |
| 10. What is $2\ 000 - 70 + 70$ ? | <b>2 000</b> | 10. What is $9\ 999 - 28 + 28$ ? | <b>9 999</b> |
| Comment:                         |              | Comment:                         |              |