



**BROAD HORIZON**  
— T U I T I O N —

# **11+ Basics Tuition**

**Year 4**

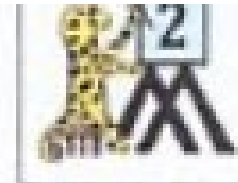
**Week 1**

**ANSWERS**

**MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 1**

Paper 1		Answer	Paper 2		Answer
1. What number is one more than 274?		<b>275</b>	1. What number is one more than 236?		<b>237</b>
2. What number is one more than 399?		<b>400</b>	2. What number is one more than 499?		<b>500</b>
3. What number is ten more than 541?		<b>551</b>	3. What number is ten more than 423?		<b>433</b>
4. What number is 10 less than 577?		<b>567</b>	4. What number is 10 less than 633?		<b>623</b>
5. Count on 5 from 168.		<b>173</b>	5. Count on 5 from 148.		<b>153</b>
6. Count on 6 from 188.		<b>194</b>	6. Count on 6 from 159.		<b>165</b>
7. Round 33 to the nearest whole ten.		<b>30</b>	7. Round 44 to the nearest whole ten.		<b>40</b>
8. Round 66 to the nearest whole ten.		<b>70</b>	8. Round 77 to the nearest whole ten.		<b>80</b>
9. Round 420 to the nearest whole hundred.		<b>400</b>	9. Round 570 to the nearest whole hundred.		<b>600</b>
10. Round 309 to the nearest whole hundred.		<b>300</b>	10. Round 390 to the nearest whole hundred.		<b>400</b>

# CONVERT BETWEEN PLACE VALUES 3-DIGITS



## SHEET 2 ANSWERS

1)	4 tens = <u>40</u> ones	2)	800 ones = <u>8</u> hundreds
3)	<u>6</u> hundreds = 60 tens	4)	<u>80</u> ones = 8 tens
5)	80 tens = <u>8</u> hundreds	6)	5 hundreds = <u>500</u> ones
7)	9 tens = <u>90</u> ones	8)	90 tens = <u>9</u> hundreds
9)	90 tens = <u>900</u> ones	10)	300 ones = <u>3</u> hundreds
11)	7 tens = <u>70</u> ones	12)	<u>8</u> hundreds = 80 tens

Here are some ways of writing the number 156.

156 = 1 hundred + 5 tens + 6 ones	156 = 156 ones
156 = 1 hundred + 56 ones	156 = 15 tens + 6 ones

234 = <u>2</u> hundreds + <u>3</u> tens + <u>4</u> ones	234 = <u>234</u> ones
234 = <u>2</u> hundreds + <u>34</u> ones	234 = <u>23</u> tens + <u>4</u> ones

392 = <u>3</u> hundreds + <u>9</u> tens + <u>2</u> ones	392 = <u>392</u> ones
392 = <u>3</u> hundreds + <u>92</u> ones	392 = <u>39</u> tens + <u>2</u> ones

PUZZLE TIME – find the answer to the riddle below in the table!

- I am worth less than 60 tens.
- I am more than 400 ones.
- My tens digit is two less than my ones digit.
- Who am I?

275	627	538
<u>402</u>	586	735

# Place Value Answers

## A. Can you write the following amounts in numerals?

1. Thirty-three thousand, five hundred =	<u>33 500</u>
2. Eighty-three thousand, three hundred and eight =	<u>83 308</u>
3. Seventeen thousand, seven hundred and one =	<u>17 701</u>
4. Twenty-two thousand, nine hundred and two =	<u>22 902</u>
5. Three hundred and fourteen thousand, one hundred and eleven =	<u>314 111</u>
6. Seven hundred and twenty-three thousand, nine hundred and forty-eight =	<u>723 948</u>
7. One million, three hundred and sixty-seven thousand, two hundred and fifteen =	<u>1 367 215</u>

## B. What are the values of the underlined digits?

1. 80 <u>8</u> 89 =	<u>eighty</u>	2. <u>1</u> 65 882 =	<u>one hundred thousand</u>
3. <u>4</u> 22 522 =	<u>twenty thousand</u>	4. 235 <u>5</u> 32 =	<u>five hundred</u>
5. 9 <u>9</u> 076 =	<u>nine thousand</u>	6. <u>5</u> 55 555 =	<u>fifty thousand</u>
7. 80 <u>8</u> 08 =	<u>eight hundred</u>	8. <u>7</u> 68 585 =	<u>seven hundred thousand</u>
9. 3 <u>4</u> 78 205 =	<u>four hundred thousand</u>	10. <u>7</u> 983 491 =	<u>seven million</u>

## C. Can you circle the digit that is equivalent to the written amount?

1. Fifty	18 0 <u>5</u> 0	2. Thirty	19 <u>3</u> 0
3. Three hundred	243 <u>3</u> 79	4. Twenty thousand	<u>2</u> 2 000
5. Five hundred thousand	<u>5</u> 95 500	6. Ninety thousand	<u>9</u> 9 000
7. Seven thousand	70 <u>7</u> 070	8. Six million	<u>6</u> 395 173

$$\begin{array}{r} 63 \\ + 29 \\ \hline 92 \end{array}$$

$$\begin{array}{r} 82 \\ + 27 \\ \hline 109 \end{array}$$

$$\begin{array}{r} 51 \\ + 58 \\ \hline 109 \end{array}$$

$$\begin{array}{r} 81 \\ + 66 \\ \hline 147 \end{array}$$

$$\begin{array}{r} 195 \\ + 946 \\ \hline 1141 \end{array}$$

$$\begin{array}{r} 217 \\ + 513 \\ \hline 730 \end{array}$$

$$\begin{array}{r} 256 \\ + 670 \\ \hline 926 \end{array}$$

$$\begin{array}{r} 101 \\ + 644 \\ \hline 745 \end{array}$$

$$\begin{array}{r} 616 \\ + 201 \\ \hline 817 \end{array}$$

$$\begin{array}{r} 335 \\ + 566 \\ \hline 901 \end{array}$$

$$\begin{array}{r} 478 \\ + 605 \\ \hline 1083 \end{array}$$

$$\begin{array}{r} 925 \\ + 450 \\ \hline 1375 \end{array}$$

$$\begin{array}{r} 2708 \\ + 1116 \\ \hline 3824 \end{array}$$

$$\begin{array}{r} 3313 \\ + 1462 \\ \hline 4775 \end{array}$$

$$\begin{array}{r} 2050 \\ + 5996 \\ \hline 8046 \end{array}$$

$$\begin{array}{r} 5155 \\ + 6186 \\ \hline 11341 \end{array}$$

$$\begin{array}{r} 5790 \\ + 6030 \\ \hline 11820 \end{array}$$

$$\begin{array}{r} 9744 \\ + 1325 \\ \hline 11069 \end{array}$$

$$\begin{array}{r} 7480 \\ + 8803 \\ \hline 16283 \end{array}$$

$$\begin{array}{r} 2859 \\ + 5428 \\ \hline 8287 \end{array}$$

$$\begin{array}{r} 3084 \\ + 5361 \\ \hline 8445 \end{array}$$

$$\begin{array}{r} 2803 \\ + 9588 \\ \hline 12391 \end{array}$$

$$\begin{array}{r} 3844 \\ + 7832 \\ \hline 11676 \end{array}$$

$$\begin{array}{r} 1964 \\ + 6927 \\ \hline 8891 \end{array}$$

$$\begin{array}{r} 343 \\ - 216 \\ \hline 127 \end{array}$$

$$\begin{array}{r} 415 \\ - 355 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 696 \\ - 165 \\ \hline 531 \end{array}$$

$$\begin{array}{r} 984 \\ - 305 \\ \hline 679 \end{array}$$

$$\begin{array}{r} 956 \\ - 559 \\ \hline 397 \end{array}$$

$$\begin{array}{r} 878 \\ - 853 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 305 \\ - 188 \\ \hline 117 \end{array}$$

$$\begin{array}{r} 401 \\ - 336 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 629 \\ - 513 \\ \hline 116 \end{array}$$

$$\begin{array}{r} 921 \\ - 104 \\ \hline 817 \end{array}$$

$$\begin{array}{r} 909 \\ - 465 \\ \hline 444 \end{array}$$

$$\begin{array}{r} 566 \\ - 131 \\ \hline 435 \end{array}$$

$$\begin{array}{r} 618 \\ - 101 \\ \hline 517 \end{array}$$

$$\begin{array}{r} 775 \\ - 339 \\ \hline 436 \end{array}$$

$$\begin{array}{r} 622 \\ - 238 \\ \hline 384 \end{array}$$

$$\begin{array}{r} 925 \\ - 918 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 662 \\ - 433 \\ \hline 229 \end{array}$$

$$\begin{array}{r} 691 \\ - 645 \\ \hline 46 \end{array}$$

$$\begin{array}{r} 816 \\ - 600 \\ \hline 216 \end{array}$$

$$\begin{array}{r} 582 \\ - 512 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 742 \\ - 494 \\ \hline 248 \end{array}$$

$$\begin{array}{r} 538 \\ - 358 \\ \hline 180 \end{array}$$

$$\begin{array}{r} 507 \\ - 143 \\ \hline 364 \end{array}$$

$$\begin{array}{r} 733 \\ - 640 \\ \hline 93 \end{array}$$

$\begin{array}{r} 3824 \\ - 2983 \\ \hline 841 \end{array}$	$\begin{array}{r} 4433 \\ - 1145 \\ \hline 3288 \end{array}$	$\begin{array}{r} 4598 \\ - 3694 \\ \hline 904 \end{array}$	$\begin{array}{r} 6761 \\ - 2738 \\ \hline 4023 \end{array}$
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$\begin{array}{r} 7598 \\ - 6529 \\ \hline 1069 \end{array}$	$\begin{array}{r} 7512 \\ - 6970 \\ \hline 542 \end{array}$	$\begin{array}{r} 9639 \\ - 1296 \\ \hline 8343 \end{array}$	$\begin{array}{r} 7783 \\ - 6649 \\ \hline 1134 \end{array}$
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$\begin{array}{r} 8915 \\ - 3550 \\ \hline 5365 \end{array}$	$\begin{array}{r} 9226 \\ - 2983 \\ \hline 6243 \end{array}$	$\begin{array}{r} 4912 \\ - 4098 \\ \hline 814 \end{array}$	$\begin{array}{r} 6554 \\ - 3337 \\ \hline 3217 \end{array}$
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$\begin{array}{r} 7988 \\ - 1132 \\ \hline 6856 \end{array}$	$\begin{array}{r} 6161 \\ - 4762 \\ \hline 1399 \end{array}$	$\begin{array}{r} 8476 \\ - 5633 \\ \hline 2843 \end{array}$	$\begin{array}{r} 5735 \\ - 5460 \\ \hline 275 \end{array}$
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$\begin{array}{r} 3455 \\ - 2363 \\ \hline 1092 \end{array}$	$\begin{array}{r} 9760 \\ - 2399 \\ \hline 7361 \end{array}$	$\begin{array}{r} 8799 \\ - 4678 \\ \hline 4121 \end{array}$	$\begin{array}{r} 9330 \\ - 8242 \\ \hline 1088 \end{array}$
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$\begin{array}{r} 9834 \\ - 3608 \\ \hline 6226 \end{array}$	$\begin{array}{r} 8624 \\ - 5810 \\ \hline 2814 \end{array}$	$\begin{array}{r} 8540 \\ - 6604 \\ \hline 1936 \end{array}$	$\begin{array}{r} 7834 \\ - 1720 \\ \hline 6114 \end{array}$
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Round each number to the nearest ten.

- |     |    |            |      |    |           |
|-----|----|------------|------|----|-----------|
| 1 ) | 85 | <u>90</u>  | 6 )  | 74 | <u>70</u> |
| 2 ) | 29 | <u>30</u>  | 7 )  | 18 | <u>20</u> |
| 3 ) | 95 | <u>100</u> | 8 )  | 42 | <u>40</u> |
| 4 ) | 54 | <u>50</u>  | 9 )  | 91 | <u>90</u> |
| 5 ) | 84 | <u>80</u>  | 10 ) | 79 | <u>80</u> |

Round each number to the nearest hundred.

- |     |     |            |      |     |            |
|-----|-----|------------|------|-----|------------|
| 1 ) | 926 | <u>900</u> | 6 )  | 921 | <u>900</u> |
| 2 ) | 884 | <u>900</u> | 7 )  | 743 | <u>700</u> |
| 3 ) | 731 | <u>700</u> | 8 )  | 828 | <u>800</u> |
| 4 ) | 448 | <u>400</u> | 9 )  | 841 | <u>800</u> |
| 5 ) | 654 | <u>700</u> | 10 ) | 763 | <u>800</u> |

Round each number to the nearest thousand.

- |     |       |              |      |       |              |
|-----|-------|--------------|------|-------|--------------|
| 1 ) | 8,493 | <u>8,000</u> | 6 )  | 8,652 | <u>9,000</u> |
| 2 ) | 6,931 | <u>7,000</u> | 7 )  | 5,717 | <u>6,000</u> |
| 3 ) | 9,496 | <u>9,000</u> | 8 )  | 4,625 | <u>5,000</u> |
| 4 ) | 1,481 | <u>1,000</u> | 9 )  | 3,974 | <u>4,000</u> |
| 5 ) | 8,577 | <u>9,000</u> | 10 ) | 1,374 | <u>1,000</u> |

Round each number to the nearest thousand.

- |     |        |               |      |        |               |
|-----|--------|---------------|------|--------|---------------|
| 1 ) | 51,266 | <u>51,000</u> | 6 )  | 96,818 | <u>97,000</u> |
| 2 ) | 45,835 | <u>46,000</u> | 7 )  | 51,196 | <u>51,000</u> |
| 3 ) | 38,331 | <u>38,000</u> | 8 )  | 58,139 | <u>58,000</u> |
| 4 ) | 47,795 | <u>48,000</u> | 9 )  | 21,945 | <u>22,000</u> |
| 5 ) | 46,876 | <u>47,000</u> | 10 ) | 45,389 | <u>45,000</u> |

**Paper 3**

- 1 Brazil
  - 2 the greenhouse
  - 3 because his leg had been bitten
  - 4 *Either because he was losing 9–2 or because his shot missed by a long way.*
  - 5 *Four of: the hedge, the conservatory, the tree, the greenhouse, the flowerbed, Simon's leg.*
  - 6 *He liked chips rather a lot.*
- 

- 7 *The boys will soon be playing cricket.*
  - 8 *Any answer that suggests he was angry, e.g. Simon's dad was so angry he was considering going to the police about the bites.*
  - 9–11 I like apples, grapes, plums, peaches and pears.
  - 12–13 Shall we play on the swing, slide, climbing frame and roundabout?
  - 14 Jason collects ladybirds, ants, spiders and centipedes.
  - 16–17 large small big
  - 18–19 hard easy simple
  - 20–21 weep shout sob
  - 22 a
  - 23 an
  - 24 an
  - 25 an
  - 26 a
  - 27 around
  - 28 without
  - 29 in
  - 30 during
-

**6** **Synonyms 1 p9**

- 1 a little / small / miniature / tiny  
b like / enjoy / relish / love  
c nasty / dreadful / awful / horrible

- 2 Possible answers include:  
a great fantastic excellent                      b lovely wonderful fantastic  
c uttered shouted whispered

- 3 Possible answers include:  
a intelligent              b difficult              c rich              d begins  
e fixed
-