

## Place Value - Worksheet

### Skill

#### Group A - Identifying the value of digits in integers

Write the value of the bold digit in the following numbers:

- |               |               |               |
|---------------|---------------|---------------|
| 1) 1099       | 2) 1099       | 3) 1099       |
| 4) 12 304     | 5) 12 304     | 6) 12 304     |
| 7) 501 400    | 8) 501 400    | 9) 501 400    |
| 10) 2 904 500 | 11) 2 904 500 | 12) 2 904 500 |

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#### Group B - Identifying the value of digits in decimals

Write the value of the bold digit in the following numbers:

- |            |            |            |
|------------|------------|------------|
| 1) 52.34   | 2) 52.34   | 3) 52.34   |
| 4) 1.203   | 5) 1.203   | 6) 1.203   |
| 7) 605.46  | 8) 605.46  | 9) 605.46  |
| 10) 0.8902 | 11) 0.8902 | 12) 0.8902 |

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#### Group C - Recognising place value

From each list of numbers, write down the largest number:

- |  |                                       |
|--|---------------------------------------|
| 1) 40.6, 46.1, 40.49, 40.68, 46, 46.09 | 2) 1.2, 1.08, 1.13, 1.6, 1.29         |
| 3) 5.25, 5.2, 5.19, 5.08, 5.1, 5.21    | 4) 0.82, 0.082, 0.9, 0.807, 0.8       |
| 5) 65, 6.5, 0.65, 7.65, 0.076, 7       | 6) 0.24, 0.3, 0.125, 0.2, 0.199, 0.18 |
| 7) 0.25, 2.25, 0.3, 0.2, 0.06, 0.19    | 8) 7.81, 7.49, 7.9, 7.007, 7.1, 7.107 |
| 9) 1.53, 1.48, 1.59, 1.44, 2.11, 0.98  | 10) 3.7, 3.5, 3.9, 3.4, 3.8           |
| 11) 8.13, 8.05, 8.24, 8.09, 8.15, 8.02 | 12) 9.2, 2.9, 5.4, 1.8, 8.7           |

## Place Value - Worksheet

### Applied

- 1) Write down the value of the 6 in the answer to  $463 \times 100$ .
- 2) Write down all the different three digit numbers using the digits 2, 3, and 4 (with no repeated digits).
- 3) Here are four digits



- (a) Use two of the digits to make the largest possible two-digit number.
  - (b) Use all four digits to make the largest possible number.
  - (c) Use all four digits to make the smallest possible **even** number.
  - (d) Use all four digits to make the four-digit number closest to 4000.
- 4) Use the digits 1, 2, 3, 4, 5 and 6, in the boxes below, to find the number closest to 300.

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- 5) Use the digits 1, 2, 3, 4, 5 and 6, in the boxes below, to find the biggest odd number.

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## Place Value - Exam Questions

- 1) (a) Write down the value of the 8 in the number 784

.....  
(1)

- (b) Write down the value of the 7 in the number 503.7

.....  
(1)  
(2 marks)

- 
- 2) Write down a 5-digit number that has 4 as its thousands digit.

You can only use the 4 digit once.

.....  
(1 mark)

- 
- 3) Here are 4 number cards.



- (a) Write down the largest three digit number that can be made using these number cards.

.....  
(1)

- (b) Arrange the cards to give the smallest possible answer to the sum.



(2)  
(3 marks)

## Place Value - Answers

	Question	Answer
	Skill Questions	
Group A	<p>Write the value of the bold digit in the following numbers:</p> <p>1) 1099</p> <p>2) 1099</p> <p>3) 1099</p> <p>4) 12 304</p> <p>5) 12 304</p> <p>6) 12 304</p> <p>7) 501 400</p> <p>8) 501 400</p> <p>9) 501 400</p> <p>10) 2 904 500</p> <p>11) 2 904 500</p> <p>12) 2 904 500</p>	<p>1) One thousand, 1000</p> <p>2) Nine tens, 90</p> <p>3) Nine ones, 9</p> <p>4) Ten thousands, 10000</p> <p>5) Three hundreds, 300</p> <p>6) Two thousands, 2000</p> <p>7) Five hundred thousands, 500 000</p> <p>8) One thousand, 1000</p> <p>9) Four hundreds, 400</p> <p>10) Two millions, 2 000 000</p> <p>11) Nine hundred thousands, 900 000</p> <p>12) Five hundreds, 500</p>
Group B	<p>Write the value of the bold digit in the following numbers:</p> <p>1) 52.34</p> <p>2) 52.34</p> <p>3) 52.34</p> <p>4) 1.203</p> <p>5) 1.203</p> <p>6) 1.203</p>	<p>1) Five tens, 50</p> <p>2) Two ones, 2</p> <p>3) Four hundredths, 0.04, <math>\frac{4}{100}</math></p> <p>4) One, 1</p> <p>5) Two tenths, 0.2, <math>\frac{2}{10}</math></p> <p>6) Three thousandths, 0.003, <math>\frac{3}{1000}</math></p>

## Place Value - Answers

Group B contd	<b>7)</b> 605.46	<b>7)</b> Six hundreds, 600
	<b>8)</b> 605.46	<b>8)</b> Four tenths, 0.4, $\frac{4}{10}$
	<b>9)</b> 605.46	<b>9)</b> Six hundredths, 0.06, $\frac{6}{100}$
	<b>10)</b> 0.8902	<b>10)</b> Eight tenths, 0.8, $\frac{8}{10}$
	<b>11)</b> 0.8902	<b>11)</b> Nine hundredths, 0.09, $\frac{9}{100}$
	<b>12)</b> 0.8902	<b>12)</b> Two ten thousandths, 0.0002, $\frac{2}{10000}$

Group C	From each list of numbers, write down the largest number:	
	<b>1)</b> 40.6, 46.1, 40.49, 40.68, 46, 46.09	<b>1)</b> 46.1
	<b>2)</b> 1.2, 1.08, 1.13, 1.6, 1.29	<b>2)</b> 1.6
	<b>3)</b> 5.25, 5.2, 5.19, 5.08, 5.1, 5.21	<b>3)</b> 5.25
	<b>4)</b> 0.82, 0.082, 0.9, 0.807, 0.8	<b>4)</b> 0.9
	<b>5)</b> 65, 6.5, 0.65, 7.65, 0.076, 7	<b>5)</b> 65
	<b>6)</b> 0.24, 0.3, 0.125, 0.2, 0.199, 0.18	<b>6)</b> 0.3
	<b>7)</b> 0.25, 2.25, 0.3, 0.2, 0.06, 0.19	<b>7)</b> 2.25
	<b>8)</b> 7.81, 7.49, 7.9, 7.007, 7.1, 7.107	<b>8)</b> 7.9
	<b>9)</b> 1.53, 1.48, 1.59, 1.44, 2.11, 0.98	<b>9)</b> 2.11
	<b>10)</b> 3.7, 3.5, 3.9, 3.4, 3.8	<b>10)</b> 3.9
	<b>11)</b> 8.13, 8.05, 8.24, 8.09, 8.15, 8.02	<b>11)</b> 8.24
	<b>12)</b> 9.2, 2.9, 5.4, 1.8, 8.7	<b>12)</b> 9.2

## Place Value - Answers

	Question	Answer
	Applied Questions	
1)	Write down the value of the 6 in the answer to $463 \times 100$ .	6000, six thousands
2)	Write down all the different three digit numbers using the digits 2, 3, and 4 (with no repeated digits).	234, 243, 324, 342, 423, 432
3)	<p>Here are four digits</p> <div style="display: flex; justify-content: center; gap: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;">4</div> <div style="border: 1px solid orange; padding: 5px; display: inline-block;">6</div> <div style="border: 1px solid orange; padding: 5px; display: inline-block;">3</div> <div style="border: 1px solid orange; padding: 5px; display: inline-block;">9</div> </div> <p>a) Use two of the digits to make the largest possible two-digit number.</p> <p>b) Use all four digits to make the largest possible number.</p> <p>c) Use all four digits to make the smallest possible <b>even</b> number.</p> <p>d) Use all four digits to make the four-digit number closest to 4000.</p>	<p>a) 96</p> <p>b) 9643</p> <p>c) 3496</p> <p>d) 3964</p>
4)	<p>Use the digits 1, 2, 3, 4, 5 and 6, in the boxes below, to find the number closest to 300.</p> <div style="display: flex; align-items: center; justify-content: center; gap: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> <div style="font-size: 2em; margin: 0 10px;">-</div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> </div>	$541 - 236 = 305$ $536 - 241 = 295$
5)	<p>Use the digits 1, 2, 3, 4, 5 and 6, in the boxes below, to find the biggest odd number.</p> <div style="display: flex; align-items: center; justify-content: center; gap: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> <div style="font-size: 2em; margin: 0 10px;">+</div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; width: 30px; height: 30px;"></div> </div>	$531 + 642 = 1173$ $532 + 641 = 1173$ $541 + 632 = 1173$ $542 + 631 = 1173$ $631 + 542 = 1173$ $632 + 541 = 1173$ $641 + 532 = 1173$ $642 + 531 = 1173$

## Place Value - Mark Scheme

	Question	Answer	
	Exam Questions		
1) (a)	Write down the value of the 8 in the number 784	(a) 80 or 8 tens	(1)
(b)	Write down the value of the 7 in the number 503.7	(b) 0.7 or 7 tenths	(1)
2)	Write down a 5-digit number that has 4 as its thousands digit.  You can only use the 4 digit once.	Any 5-digit number with 4 appearing once, and in the thousands column.  E.g. _ 4 _ _ _	(1)
3)	Here are 4 number cards.  <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid orange; padding: 5px; margin: 2px;">5</div> <div style="border: 1px solid orange; padding: 5px; margin: 2px;">7</div> <div style="border: 1px solid orange; padding: 5px; margin: 2px;">2</div> <div style="border: 1px solid orange; padding: 5px; margin: 2px;">4</div> </div>		
(a)	Write down the largest three digit number that can be made using these number cards.	(a) 754	(1)
(b)	Arrange the cards to give the smallest possible answer to the sum.  <div style="display: flex; align-items: center; justify-content: center; gap: 10px;"> <div style="border: 1px solid orange; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid orange; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> </div> <div style="font-size: 2em;">+</div> <div style="border: 1px solid orange; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid orange; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> </div> </div>	(b) 25 + 47 or 27 + 45 in any order 72	(1) (1)

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