

# Place value 3 – The abacus

hundreds    tens    units

h	t	u
1	2	4

h t u

1	2	4
---	---	---

1. Write the correct number under each abacus.

(a)

h	t	u
1	5	3

(b)

h	t	u

(c)

h	t	u

(d)

h	t	u

(e)

h	t	u

(f)

h	t	u

(g)

h	t	u

(h)

h	t	u

2. Draw the correct number of counters on each abacus.

(a)

h	t	u
1	0	8

(b)

h	t	u
1	2	7

(c)

h	t	u
1	4	5

(d)

h	t	u
1	6	6

(e)

h	t	u
1	7	0

(f)

h	t	u
1	8	3

(g)

h	t	u
1	0	7

(h)

h	t	u
1	9	3

# Place value 3 – The notation board

1. Write the correct number under each notation board.

(a) 1 6 8	(b) <input type="text"/>	(c) <input type="text"/>	(d) <input type="text"/>
(e) <input type="text"/>	(f) <input type="text"/>	(g) <input type="text"/>	(h) <input type="text"/>

2. Draw the correct number of counters on each notation board.

(a) 1 3 1	(b) 1 4 7	(c) 1 0 3	(d) 1 8 0
(e) 1 5 6	(f) 1 6 8	(g) 1 8 5	(h) 1 9 4



# Place value 3 – Snake puzzle

Fill in the missing numbers. Draw the correct number on each abacus.

The puzzle consists of a grid of colored squares. A green snake is at the top left, with its head at the number 78. The snake's body follows a path through the grid, ending at the number 145 at the bottom right. The numbers are: 78, 79, (blank), 81, (blank), (blank), (blank), (blank), (blank), 87, (blank), (blank), 102, (blank), (blank), 99, (blank), (blank), (blank), 95, (blank), (blank), (blank), 91, (blank), (blank), 108, (blank), (blank), 111, (blank), (blank), (blank), 117, (blank), (blank), 128, (blank), (blank), (blank), (blank), 122, (blank), (blank), (blank), 133, (blank), (blank), (blank), (blank), (blank), 139, (blank), (blank), (blank), 144, 145.

Below the grid are abacus for place value practice. Each abacus has three columns labeled 'h' (hundreds), 't' (tens), and 'u' (units). Red arrows point from the abacus to the corresponding number in the grid.

- (a) Points to 78. The abacus shows 7 tens and 8 units.
- (b) Points to 79. The abacus is empty.
- (c) Points to 81. The abacus is empty.
- (d) Points to 87. The abacus is empty.
- (h) Points to 102. The abacus is empty.
- (g) Points to 99. The abacus is empty.
- (f) Points to 95. The abacus is empty.
- (e) Points to 91. The abacus is empty.
- (i) Points to 108. The abacus is empty.
- (j) Points to 111. The abacus is empty.
- (k) Points to 117. The abacus is empty.
- (m) Points to 128. The abacus is empty.
- (l) Points to 122. The abacus is empty.
- (n) Points to 133. The abacus is empty.
- (o) Points to 139. The abacus is empty.
- (p) Points to 145. The abacus is empty.



# Place value 3 – Number puzzles A

1. Colour the **biggest** number on each plane.

(a) 	(b) 	(c) 
(d) 	(e) 	(f) 

2. Colour the **smallest** number on each boat.

(a) 	(b) 	(c) 
(d) 	(e) 	(f) 

3. Order these numbers starting with the **smallest**.

(a) 	(b) 	(c) 
_____	_____	_____

4. Order these numbers starting with the **biggest**.

(a) 	(b) 	(c) 
_____	_____	_____



# Place value 3 – Number puzzles B

1. What number am I? Write.

(a) I have 1 **hundred**, 3 **tens** and 4 **units**.

I am .

(b) I have 1 **hundred**, 6 **tens** and 0 **units**.

I am .

(c) I have no **hundreds**, 8 **tens** and 9 **units**.

I am .

(d) I have 1 **ten** more than 90. I have 1 **unit**.

I am .

(e) I have 2 **tens** less than 160. I have 5 **units**.

I am .

(f) I have 1 **ten** and 6 **units** more than 123.

I am .

2. Is the underlined digit a **hundred**, a **ten** or a **unit**? Match.

Diagram showing numbers in ovals with underlined digits and red dots. The numbers are: 6, 39, 146, 108, 95, 11, 133, 111, 100, 188. A dashed line connects the underlined '3' in 39 to the word 'hundred' in the center. The words 'hundred', 'ten', and 'unit' are in colored ovals.

3. (a) Circle the digit that is in the **tens** place: → 1 8 5

(b) Circle the digit that is in the **units** place: → 1 0 4

(c) Circle the digit that is in the **hundreds** place: → 1 3 9