

1 What numbers are represented in the place value charts?

a)

| M | HTh | TTh | Th | H | T    | O  |
|---|-----|-----|----|---|------|----|
|   |     | ●●● | ●● |   | ●●●● | ●● |

b)

| M | HTh | TTh | Th | H   | T  | O |
|---|-----|-----|----|-----|----|---|
|   | ●●  |     | ●● | ●●● | ●● |   |

c)

| M  | HTh | TTh | Th | H | T | O |
|----|-----|-----|----|---|---|---|
| ●● | ●●  | ●●● | ●● |   |   |   |

d)

| M  | HTh | TTh | Th | H   | T | O  |
|----|-----|-----|----|-----|---|----|
| ●● |     | ●●  |    | ●●● |   | ●● |

2 What numbers are represented in the place value charts?

a)

| Millions | Thousands |   |     | Ones |     |    |
|----------|-----------|---|-----|------|-----|----|
| O        | H         | T | O   | H    | T   | O  |
| ●●       | ●●        | ● | ●●● | ●●   | ●●● | ●● |

b)

| Millions | Thousands |   |     | Ones |     |    |
|----------|-----------|---|-----|------|-----|----|
| O        | H         | T | O   | H    | T   | O  |
| ●●       |           | ● | ●●● | ●●   | ●●● | ●● |

c)

| Millions | Thousands |   |   | Ones |   |    |
|----------|-----------|---|---|------|---|----|
| O        | H         | T | O | H    | T | O  |
| ●●●      |           |   | ● |      |   | ●● |

3 Make each number in a place value chart.

a) 39,800      b) 300,762      c) 7 million      d) 4,104,053

Which style place value chart did you use?

4 What are the values of the bold digits?

a) 2,950      c) 195,000      e) 1,432,310  
b) 37,300      d) 71,903      f) 3,256,705

2 What numbers are represented in the place value charts?

a)

| Millions | Thousands |   |                     | Ones |                      |         |
|----------|-----------|---|---------------------|------|----------------------|---------|
| O        | H         | T | O                   | H    | T                    | O       |
| ●●       | ●●<br>●   | ● | ●●<br>●●<br>●●<br>● | ●●   | ●●<br>●●<br>●●<br>●● | ●●<br>● |

b)

| Millions | Thousands |   |                     | Ones |                |               |
|----------|-----------|---|---------------------|------|----------------|---------------|
| O        | H         | T | O                   | H    | T              | O             |
| ●●       |           | ● | ●●<br>●●<br>●●<br>● | ●●   | ●●<br>●●<br>●● | ●●<br>●●<br>● |

c)

| Millions | Thousands |   |   | Ones |   |          |
|----------|-----------|---|---|------|---|----------|
| O        | H         | T | O | H    | T | O        |
| ●●<br>●● |           |   | ● |      |   | ●●<br>●● |

3 Make each number in a place value chart.

a) 39,800      b) 300,762      c) 7 million      d) 4,104,053

Which style place value chart did you use?

4 What are the values of the bold digits?

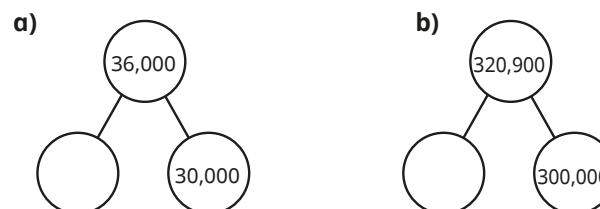
a) 2,950      c) **1**95,000      e) **1**,432,310  
b) **3**7,300      d) 71,90**3**      f) 3,25**6**,705

5 Here is a number.

| Millions | Thousands |   |   | Ones |   |   |
|----------|-----------|---|---|------|---|---|
| O        | H         | T | O | H    | T | O |
| 3        | 2         | 5 | 4 | 9    | 0 | 7 |

- a) What is the number?  
b) What is 400,000 greater than the number?  
c) What is 20,000 less than the number?

6 Complete the part-whole models and number sentences.



- c)  $23,700 = 20,000 + 3,000 + \square$   
d)  $104,039 = 100,000 + \square + \square + \square$   
e)  $\square = 200,000 + 40,000 + 9,000 + 70 + 3$

7 Mo uses 7 counters to make a 6-digit number on a place value chart.

- a) Write five numbers Mo can make.  
b) What is the greatest number Mo can make?  
c) What is the smallest number Mo can make?  
d) What do you notice about the sum of the digits?

8 Dexter has written a set of clues to describe a number.

- It has 5 tens.
- It has one more thousand than it does tens.
- It has 7 digits.
- It starts with a 9.
- The rest of the digits are zeros.

What is the number?