

Numbers to 10,000,000

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?



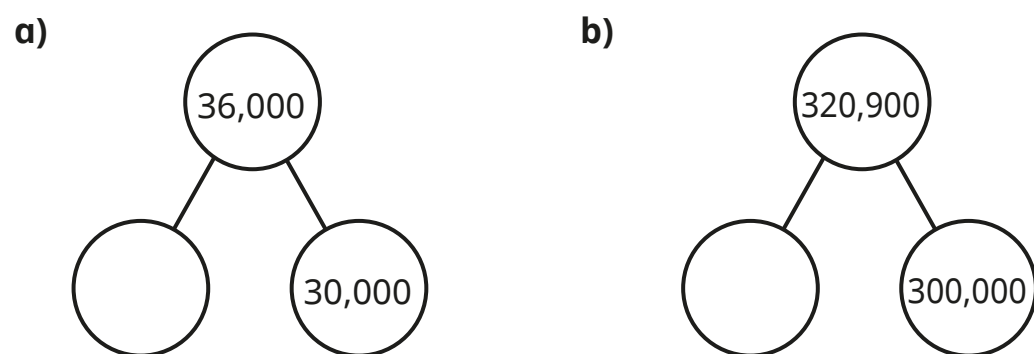
- 4 What are the values of the bold digits?
- a) 2,950 _____ d) 71,90**3** _____
- b) 37,300 _____ e) 1,432,310 _____
- c) 195,000 _____ f) 3,25**6**,705 _____

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

- 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?

