

6/1/21

Fluency Fifteen

Session one

Write the following into digits:

1. Three hundred and twenty-six thousand, four hundred and eight.
2. Six million, four hundred and thirty-seven thousand, two hundred and forty five.
3. Three million, seven hundred and eighty-eight thousand, three hundred and twenty nine.

Write the following into words:

4. 278 466
5. 4 376 565
6. 5 432 788

Place the following in order from smallest to largest:

7. 234 453 243 553 244 543 233 453
8. 545 678 553 678 543 678 567 678
9. 1,345 123 1,344 122 1,355 123 1,335 132

Place the following in order from largest to smallest:

10. 455 543 445 532 442 543 456 532
11. 678 900 687 900 677 900 688 000
12. 2, 345 233 2, 354 233 2, 355 233 2, 352 233

Place the correct greater than or less than symbol:

13. 234 321 244 341
14. 432 677 421 677
15. 2, 345 679 2, 456 876

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1. 326,408

13. $234,321 \leq 244,341$

2. 6,437,245

14. $432,677 \geq 421,677$

3. 3,788,329

15. $2,345,679 \leq 2,456,876$

4. Two hundred and seventy eight thousand, four hundred and sixty six

5. Four million, three (tho) hundred and (Seventy six thousand, five hundred and sixty five)

6. Five million, four hundred and thirty two thousand, seven hundred and eighty eight.

7. 233,453, 234,453, 243,553, 244,543.

8. 543,678, 545,678, 553,678(X), 567,678(X).

9. 1,335,132 / 1,344,122 / 1,345,123 / 1,355,123.

10. (~~442,543~~) 456,532 / 455,543 / 445,532 / 442,543.

11. 688,000 / 687,900 / 678,900 / 677,900.

12. 2,355,233 / 2,354,233 / 2,352,233 / 2,345,233.

Numbers to 10 million

1 What numbers are represented in each place value chart?

a)

M	HTh	TTh	H	T	O
		●●	●●	●●●●	●●●●

32,053
~~152,011~~

b)

M	HTh	TTh	H	T	O
	●●		●●●●	●●●●	

302,530

c)

M	HTh	TTh	H	T	O
●●	●●●●	●●●●			

3,253,000

2 Make these numbers in a place value chart.

a) 7650

M	HTh	TTh	H	T	O
●●	●●	●●			

b) 39,800

M	HTh	TTh	H	T	O
	●●	●●●●	●●		

c) 7 million

M	HTh	TTh	H	T	O
●●●●					

d) 300,762

M	HTh	TTh	H	T	O
	●●	●●●●	●●	●●●●	●●

3 Write three 5-digit numbers that have 6 in the hundreds place.

34,600
38,600
37,600

4 What is the value of the bold digits?

- a) 2,9**5**0 50
- b) **3**7,300 3,000
- c) 195,000 90,000
- d) 71,9**0**3 3
- e) 1,432,3**1**0 100,000

5 Complete the part-whole models and number sentences.

a)

36,000 + 30,000 = 66,000

b)

320,900 + 20,900 = 341,800

c) $23,700 = 20,000 + 3,000 + 700$

d) $104,039 = 100,000 + 4,000 + 30 + 9$

e) $249,073 = 200,000 + 40,000 + 9,000 + 70 + 3$

f) $52,600 = 50,000 + 2,000 + 600$

6 Complete the calculations.

$$42,000 = 40,000 + \boxed{2,000}$$

$$42,000 = 30,000 + \boxed{12,000}$$

$$42,000 = \boxed{30,000} + 10,000 + \boxed{2,000}$$

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

a) Write 5 numbers Mo can make.

7,000,000 / 5,010,100 / 2,500,001
1,231,000 / 200,003

b) What is the greatest number Mo can make?

7,000,000

c) What is the smallest number Mo can make?

7

d) What do you notice about the sum of the digits?

It always adds to seven.

8 Write these numbers in words.

a) 5,360 Five thousand, three hundred and sixty.

b) 800,325 Eight hundred thousand, three hundred and twenty-five.

c) 3,412,016 Three million, four hundred and twelve thousand and sixteen.

9

a) Dexter has written a set of clues to describe a number. What is the 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.

9006050

b) Write a set of clues for the number 2,843,003

There are 7 digits.

It ends in a 3.

The thousand column is the same as the ones.

The TTh column has one more than the TH column.

The HTh column is double the TH column.

It starts with a 2.

Check your clues with a partner's clues.

What is the same and what is different?

c) Choose a number of your own and write a set of clues.

Can your partner work out your number?

no partner.