

Each week we are going to revise key Mathematical concepts - this week we are focusing on place value.

LO: To understand the value of each digit (bronze)

Practise

Identify the value of each underlined digit.

- 1) 345,828
- 2) 45,872
- 3) 6,483,172
- 4) 451,734
- 5) 3,742,682

Compare these numbers using < or >

- 6) 9,728 9,483
- 7) 11,472 11,739
- 8) 31,483 31,838
- 9) 345,837 345,785
- 10) 123,654 123,546

Fluency

Write these numbers in digits.

- 11) Seventy three thousand, six hundred and eight
- 12) One million, seven hundred and twenty three thousand and seventy six
- 13) Four hundred and fifty four thousand, three hundred and seventeen

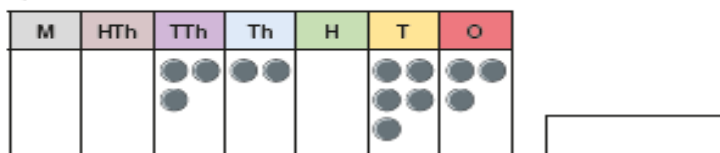
Write these numbers in words.

- 14) 34,602
- 15) 734,071
- 16) 4,282,832

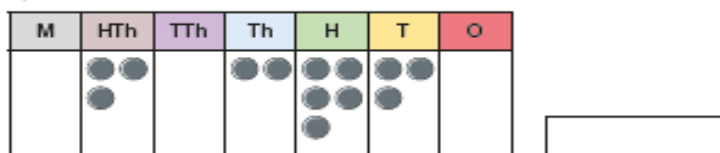
17) Write three 5-digit numbers that have 6 in the hundreds column

18) What numbers are represented in each place value chart?

a)



b)



LO: To understand the value of each digit (silver)

Practise

Identify the value of each underlined digit.

- 1) 9,234
- 2) 451,734
- 3) 3,742,682

Compare these numbers using < or >

- 4) 31,483 31,838
- 5) 345,837 345,785
- 6) 123,654 123,546

Fluency


Write these numbers in digits.


- 7) One million, seven hundred and twenty three thousand and seventy six
- 8) Four hundred and fifty four thousand, three hundred and seventeen

Write these numbers in words.

- 9) 734,071
- 10) 4,282,832

11) Complete the part-whole models and number sentences.

a) 

b) 

c) $23,700 = 20,000 + 3,000 + \boxed{}$

d) $104,039 = 100,000 + \boxed{} + \boxed{} + \boxed{}$

e) $\boxed{} = 200,000 + 40,000 + 9,000 + 70 + 3$

f) $\boxed{} = 52,000 + 600$

Reasoning

12) Put a number in the missing space below to make the sentence correct.
716_3819 < 71643819 Explain why it is true.

13) Show the value of the digit 7 in these numbers.
6687555 97464354 Explain how you know.

Problem Solving

14) Claire is given the calculation below to estimate an answer to $1912 + 1888$.
Claire says "I will just double 1900 which is 3800." Why has Claire done that? Would you do anything differently?

LO: To understand the value of each digit (gold)

Practise

Identify the value of each underlined digit.

1) 451,734

2) 3,742,682

Compare these numbers using < or >

3) 345,837 345,785

4) 123,654 123,546

Fluency

Write these numbers in digits.

5) Four hundred and fifty four thousand, three hundred and seventeen

Write these numbers in words.

6) 4,082,832

Reasoning

7) Put a number in the missing space below to make the sentence correct.

716_3819 < 71643819 Explain why it is true.

8) 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.
-

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

Problem Solving

9) Claire is given the calculation below to estimate an answer to $1912 + 1888$.

Claire says "I will just double 1900 which is 3800." Why has Claire done that? Would you do anything differently?

10) Find out the population in five countries. Order the populations starting with the largest. Explain how you ordered the countries and their populations.

11) A teacher hands out four number cards.

42,350 43,685 56,995 56,943

Aaron says "My number is 57,000 when rounded to the nearest 10."

David says "My number has exactly 3 hundreds in it."

Sarah says "My number is 44,000 when rounded to the nearest thousand."

Jessica says "My number is exactly 100 less than 57,043."

Can you solve who has which card and explain how you know this?

LO: To understand the value of each digit (bronze) - answers

Practise

Identify the value of each underlined digit.

- 1) 800 or eight one hundreds
- 2) 5,000 or five one thousands
- 3) 80,000 or eight ten thousands
- 4) 400,000 or four hundred thousands
- 5) 3,000,000 or three one millions

Compare these numbers using < or >

- 6) >
- 7) <
- 8) <
- 9) >
- 10) >

Fluency

Write these numbers in digits.

- 11) 73,608
- 12) 1,723,076
- 13) 454,317

Write these numbers in words.

- 14) Thirty four thousand, six hundred and two
- 15) Seven hundred and thirty four thousand and seventy one
- 16) Four million, two hundred and eighty two thousand, eight hundred and thirty two
- 17) Answers will vary
- 18) (a) 32,053 (b) 302,50

LO: To understand the value of each digit (silver) - answers

Practise

Identify the value of each underlined digit.

- 1) 30 or three tens
- 2) 400,000 or four hundred thousands
- 3) 3,000,000 or three one millions

Compare these numbers using < or >

- 4) <
- 5) >
- 6) >

Fluency

Write these numbers in digits.

- 7) 1,723,076
- 8) 454,317

Write these numbers in words.

- 9) Seven hundred and thirty four thousand and seventy one
- 10) Four million, two hundred and eighty two thousand, eight hundred and thirty two
- 11) (a) 6,000 (b) 20,900
(c) 700 (d) 4,000 + 30 + 9
(e) 249,073 (f) 52,600

Reasoning

12) Between 0 and 3 - Explanation alludes to the other number being bigger and the identified place value being 4 so the number has to be smaller than 4

13) 7,000 7,000,000

Explanation discusses their position in terms of place value

Problem Solving

14) Because she has shifted the twelve from 1812 to 1788 to make both numbers 1800 so she is then able to just double 1800. Children may decide they do it differently

LO: To understand the value of each digit (gold) - answers

Practise

Identify the value of each underlined digit.

- 1) 400,000 or four hundred thousands
- 1) 3,000,000 or three one millions

Compare these numbers using < or >

- 3) >
- 4) >

Fluency

Write these numbers in digits.

- 5) 454,317

Write these numbers in words.

- 6) Four million, two hundred and eighty two thousand, eight hundred and thirty two

Reasoning

- 7) Between 0 and 3 - Explanation alludes to the other number being bigger and the identified place value being 4 so the number has to be smaller than 4
- 8) (a) 9,006,050 (b) Answers will vary

Problem Solving

- 9) Because she has shifted the twelve from 1812 to 1788 to make both numbers 1800 so she is then able to just double 1800. Children may decide they do it differently
- 10) Answers will vary
- 11) 42,350 - David 43,685 - Sarah 56,995 - Aaron 56,943 - Jessica Explanation alludes to place value knowledge