LO: To understand place value in decimal numbers (bronze)

Practise

Identify the value of each underlined digit.

1) 47.6̲27
2) 87.31̲4
3) 4.298̲
4) 23.417̲

Compare these numbers using < or >

5) 45.93   23.84
6) 72.34   948.3
7) 12.432   85.41
8) 3457.36   345.785
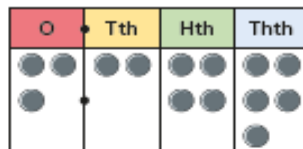
Fluency

Order these numbers from smallest to biggest.

9) 12.45   12.345   12.543   12.432
10) 96.47   96.473   96.526   96.27
11) Write five and ninety-one hundredths as a decimal number.
12) Write six and seven hundredths as a decimal number.
13)   Complete the sentences.

O	Tth	Hth	Thth

There are ☐ ones.

There are ☐ tenths.

There are ☐ hundredths.

There are ☐ thousandths.

The number in digits is ☐

Reasoning

14) Put a number in the missing space below to make the sentence correct.
    21.4_5 < 21.465

LO: To understand place value in decimal numbers (silver)

Practise

Identify the value of each underlined digit.

1) 4.29<u>8</u>
2) 0.<u>6</u>8
3) 42.4<u>4</u>8

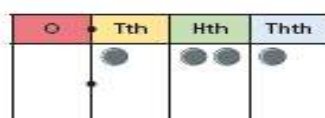Compare these numbers using < or >

4) 12.432   85.41
5) 23.452   23.152
6) 3457.36   345.785

Order these numbers from smallest to biggest.
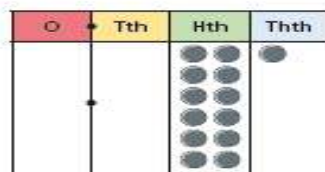
7) 32.48   32.482   32.352   32.489   32.253
8) 17.374   17.873   17.363   17.475   17.746
9) Write six hundred and four thousandths as a decimal number.
10)

Mo and Annie have represented 0.121 on their place value charts.

Mo's chart

O	Tth	Hth	Thth
	●	●●	●

Annie's chart

O	Tth	Hth	Thth
		●●	●
		●●	
		●●	
		●●	
		●●	

Only my grid shows 0.121

Mo

Both our grids show 0.121

Annie

Who do you agree with? _____
Explain why.

Reasoning

11) Put a number in the missing space below to make the sentence correct.
    21.4_5 < 21.465   Explain why it is true.
12) True or false? In all the numbers below, the digit 6 is worth more than 6 hundredths. If it is false, can you change some of the numbers so it is true?   364.815   6.78   5.687   4.567   45.683   7.886

Problem Solving

13) 2 numbers have a difference of 1.427 and one of the numbers is 3.665. What is the other number? Are these the only possible numbers?

LO: To understand place value in decimal numbers (gold)

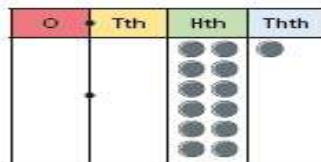### Fluency

Order these numbers from smallest to biggest.

1) 12.45   12.345   12.543   12.432
2) 96.47   96.473   96.526   96.27
3) Write seventy two, four tenths and seven thousandths as a decimal number.
4)

Mo and Annie have represented 0.121 on their place value charts.

Mo's chart

O	Tth	Hth	Thth
	●	●●	●

Annie's chart

O	Tth	Hth	Thth
		●●●●●●●●●●	●

Only my grid shows 0.121

Mo

Both our grids show 0.121

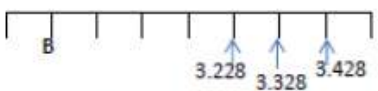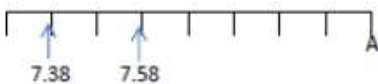Annie

Who do you agree with? _____
Explain why.

Reasoning

5) Sandra says "The more decimal places a number has, the smaller the number is." Do you agree? Explain why.
6) What number is half way between 5.62 and 6.14? Explain how you worked it out.
7) Put a number in the missing space below to make the sentence correct.
   21.4_5 < 21.465   Explain why it is true.

Problem Solving

8) 2 numbers have a difference of 1.427 and one of the numbers is 3.665. What is the other number? Are these the only possible numbers?

9)
   • Here are two number lines.

   7.38   7.58   A

   B   3.228   3.328   3.428

   Find the difference between the letters A and B.

<u>LO: To understand place value in decimal numbers (bronze)</u>

<u>Practise</u>

Identify the value of each underlined digit.

1) 0.6 or six tenths
2) 0.01 or one hundredth
3) 0.008 or 8 thousandths
4) 0.007 or 7 thousandths

Compare these numbers using < or >

5)   >
6)   <
7)   <
8)   >

<u>Fluency</u>

Order these numbers from smallest to biggest.

9) 12.345   12.432   12.45   12.543
10)96.27   96.47   96.473   96.526

11) 5.91

12) 6.07

13) 3.245

<u>Reasoning</u>

14) 0-5

<u>**LO: To understand place value in decimal numbers (silver)**</u>

<u>**Practise**</u>

Identify the value of each underlined digit.

1) 0.08 or eight hundredths
2) 0.<u>6</u> or six tenths
3) 0.04 or four hundredths

Compare these numbers using < or >

4) <
5) >
6) >

<u>**Fluency**</u>

Order these numbers from smallest to biggest.

7) 32.253   32.352   32.48   32.482   32.489
8) 17.363   17.374   17.475   17.746   17.873

9) 600.004

<u>**Reasoning**</u>

10) Annie, because…
11) 0 – 5 because…

12) False e.g. 4.657 or 7.688

<u>**Problem Solving**</u>

13) 2 numbers have a difference of 1.427 and one of the numbers is 3.665. What is the other number? Are these the only possible numbers?

LO: To understand place value in decimal numbers (gold)

Fluency

Order these numbers from smallest to biggest.

1) 12.45   12.345   12.543   12.432
2) 96.47   96.473   96.526   96.27
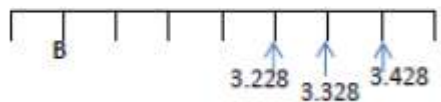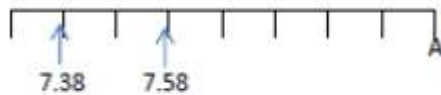3) Write seventy two, four tenths and seven thousandths as a decimal number.
4) Annie, because…

Reasoning

5) No, because…

6) 5.88
7) 0-5, because…

Problem Solving

8) 3.665 and 2.238   or   3.665 and 5.092

9)   8.08 - 2.828 = 5.252

Here are two number lines.

7.38   7.58

B

3.228   3.428
     3.328

Find the difference between the letters A and B.