

# MATHEMATICS 27<sup>th</sup> APRIL to 1<sup>st</sup> MAY 2020

The following have videos you can view on [mathswatchvle](https://www.mathswatchvle.com) if you need support (N1b and N2b).

Monday April 27<sup>th</sup>

## Place Value- Decimal Numbers

**N1b** Place Value - Decimals

1) Put the following numbers in the place value table:

- a) 7.24
- b) 30.036
- c) 209.107
- d) 5034.005

Thousands	Hundreds	Tens	Units	Tenths	Hundredths	Thousandths

2) Write the following numbers in figures:

- a) Eight point two four
- b) Fifty point zero two five
- c) Three hundred and six point two
- d) Two thousand, five hundred and forty point zero seven

3) Write the following numbers in words:

- a) 7.5
- b) 80.26
- c) 930.074
- d) 1402.306

- 4) a) What is the value of the 4 in the number 72.46?
- b) What is the value of the 5 in the number 8.205?

2a. Barney is thinking of a number.



My number has  
3 decimal places.

The hundredths value is  
< 6.

The number is > 3.255 but  
< 3.270.

What could Barney's number be?  
Find four possibilities.



Tuesday April 28<sup>th</sup>

## Order and Compare- Decimal Numbers

N2b

Ordering Numbers - Decimals

2) Arrange the numbers in order of size, starting with the smallest.

a) 1.8    0.8    8    8.1

\_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_  
b) 0.08    1.16    0.12    1.09

\_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_  
c) £4.04    £4.40    £4.14    £0.41

\_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_  
d) 3.11    3.1    3    3.011    3.001

\_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_  
e) 0.2    0.022    0.202    0.222    0.22

\_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_  
f) 6.06    60.06    6.606    66.06    6.066

\_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_

1) Here are some number cards.

4    7    3    1    .

Each card can be used once, all cards must be used, the decimal point card cannot be at the end of a number.

a) What is the smallest number you can make?

○ ○ ○ ○ ○

b) What is the largest number you can make?

○ ○ ○ ○ ○

2) The times, in seconds, for the seven runners in a 100m race were:

**9.96 10.03 9.92 10.26 10.37 9.99 10.00**

What was the time of the winner? \_\_\_\_\_

3) I am a decimal number.

I have two figures before the decimal point and two figures after the decimal point.

I read the same forwards as backwards.

I have no zeros.

My first digit is bigger than my second digit.

The sum of my digits is 8.

**What number am I?** \_\_\_\_\_

Wednesday April 29<sup>th</sup>

## Writing decimal numbers as fractions/vice-versa

IF YOU HAVE ANSWERED ALL OF 3A CORRECTLY (AN ADULT MUST CHECK), THEN MOVE ON TO 3C.

3a. Complete the table below.

Fractions	Decimals
$\frac{90}{100}$	
	0.5
$\frac{8}{10}$	

3b. Complete the table below.

Fractions	Decimals
$\frac{40}{100}$	
	0.02
$\frac{7}{10}$	

3C. Write as a decimal

**B**  
Write as a decimal.

1 $1\frac{42}{100}$	7 $3\frac{185}{1000}$
2 $\frac{4}{1000}$	8 $\frac{291}{1000}$
3 $8\frac{579}{1000}$	9 $1\frac{58}{1000}$
4 $\frac{26}{100}$	10 $4\frac{13}{100}$
5 $\frac{413}{1000}$	11 $5\frac{306}{1000}$
6 $2\frac{7}{100}$	12 $\frac{87}{1000}$

3D. Write as a fractions (CHOOSE EITHER A or B TO COMPLETE)

A

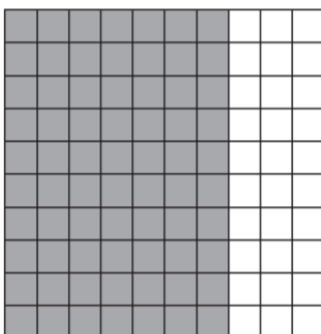
13	3.5
14	0.92
15	1.38
16	5.1

B

13	12.7
14	6.524
15	0.046
16	47.19

3E.

2. Write the decimal number represented by this square and 3 possible fraction equivalent:



Thursday April 30<sup>th</sup>

## Addition – Decimal Numbers

IF YOU ARE VERY GOOD AT THIS, COMPLETE 2 QUESTIONS, ASK AN ADULT TO CHECK THEM. IF THEY ARE CORRECT, THEN MOVE ON TO 8b (Leah).

8b. Leah has taken a test. Mark her answers and write any corrections.

1)  $59.1 + 37.2 = \underline{\quad}$

2)  $24.75 + 9.98 = \underline{\quad}$

3)  $94.78 + 104.9 = \underline{\quad}$

4)  $12.5 + 631.4 = \underline{\quad}$

	corrections
$0.484 + 0.159 = 0.534$	
$0.263 + 0.009 = 0.272$	
$0.152 + 0.709 = 0.811$	
$0.621 + 0.178 = 0.899$	
$0.15 + 0.029 = 0.044$	

**B** If you feel confident with 1 and 2, skip them and complete 3 and 4a, then move on to 5 and 6.

1.  $309 + 12.5 + 631.4$

2.  $105 + 7.32 + 51.8 + 2804$

3.  $274. \square + 1 \square 5.4 = 440.2$

4a.  $672. \square + 2 \square 4.7 = \square 17.0$

4b. Check what Grace has said. Is she correct? Explain your answer.

If you add two decimals your answer will never be more than 1.



Choose a number from a box and a number from a loop to make the totals in a) and b).

$\square$ 3.61	$\square$ 2.975	$\square$ 2.35	$\square$ 1.3	$\square$ 6.72
$\bigcirc$ 3.2	$\bigcirc$ 7.65	$\bigcirc$ 1.006	$\bigcirc$ 3.58	$\bigcirc$ 2.25

a)  $\square + \bigcirc = 4.6$

b)  $\square + \bigcirc = 11.26$

5.)

6.) Tyrannosaurus Rex are generally about 12.48m long. How long would 3 of them be if they were lying end to end?

7.) There are 2.581ml of ink left in one of Pete's pens and 5.671ml in the other. If Pete uses both pens to complete his work, how many millilitres before the ink finishes altogether?