Year 4 - Maths – Summer 2 Week 5

You will not need to print out the questions, use a piece of paper to write out the answers and do all of your working out.
Ask someone else who lives with you to mark it for you, then you can talk about your errors!
Looking forward to seeing your work!

	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
	Try to spend 5 minutes a day practising your times tables. You can use times tables rock stars, or get an adult in your home to practice with you. Choose which days you will complete activities from the CGP booklets. When you have finished each one fill in the progress chart on p74. Use the times table cards you made last week to practice your times tables.				
Mental Maths	CGP p20&21 Autumn Workout 10 Read through each question carefully before you answer.		CGP p22&23 Autumn Workout 11 Read through each question carefully before you answer.		CGP p24&25 Autumn Workout 12 Read through each question carefully before you answer.

Problem / Activity of the day	**Ordering Decimals** When writing decimals you need to make sure that you are very familiar with Place Value. The above place value chart shows that a decimal number has ones, tenths and hundredths. These are very different to tens and hundreds. Don't get them confused! The chart shows 3 ones, 2 tenths and 5 hundredths. So the number is 3.25. Remember ascending is going up and descending is going down. When reading a decimal number be careful to think about where the digits are in the number. If you have 1.41 this bigger than 1.4.	**Ordering decimals** Remember your learning from yesterday. I would like you to use your knowledge of ordering decimals to solve some worded problems. Make sure you READ the question carefully. Then THINK about what it is asking you to do. Then I would like you to make sure your answer is clear using ANS: to show what answer you have	**Rounding Decimals** When rounding numbers you need to remember: 0-4 = round down 5-9 = round up. So if I am looking at the the following number is it closer to the previous 10 or the next 10 28 is closer to 30 because 8 is in the 5-9 group. (look above) So if I was looking at 2.8 the 8 in the tenths place which tells me it is closer to 3 than 2.	**Rounding decimals (number line)** When rounding decimals it is also helpful to use a number line. When you start with a whole integer (number) So you count up 2, 2.1, 2.2, 2.3 until 2.9, 3. If 2 is at one end and 3 at the other each increment along the line is 0.1 or a tenth.	**Rounding Decimals** Remember when rounding numbers you need to think about: 0-4 = round down 5-9 = round up. You can round whole numbers as well as decimas. When they are asking you to round to the nearest whole number, you need to have a **WHOLE** integer. So a number with no decimals.

Day 1

Here are four numbers on place value charts.

a) What number is represented in each place value chart?

A

Ones	Tenths	Hundredths
1 1 1	0.1	0.01 0.01 0.01 0.01

□

B

Ones	Tenths	Hundredths
1 1 1 1	0.1	0.01 0.01 0.01 0.01

□

C

Ones	Tenths	Hundredths
1 1 1	0.1	0.01 0.01 0.01 0.01 0.01

□

D

Ones	Tenths	Hundredths
1 1 1	0.1 0.1	0.01 0.01 0.01

□

b) Write the numbers in ascending order.

_____

(smallest)   (greatest)

Write the numbers in descending order.

| 1.42 | | 4.12 | | 1.24 | | 2.41 |

_____

Day 2

Teddy's teacher asks him to put some numbers in ascending order.

Here is his answer.

| 0.64   12.7   2.83 |

Do you agree with Teddy? _____

What order should they be in?

Annie and Dexter are comparing the decimals 4.12 and 4.8

Annie: 4.12 is greater than 4.8, because 12 is bigger than 8

Dexter: 4.12 is smaller than 4.8, because 12 hundredths is less than 8 tenths.

Who do you agree with? _____

Explain your answer.

Here are two lists of numbers.

Use the digits 0 to 9 once each to complete the lists.

ascending order   __.4__   __.41   7.__9   __.41

descending order   __.41   7.__9   __.41   __.4__

Compare answers with a partner.

Is there more than one way to complete each list?

Day 3

1 Here are some number cards.

| 27 | | 61 | | 49 | | 83 |

a) Draw arrows to estimate the position of the numbers on the number line.

```
├──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┤
20      30      40      50      60      70      80      90
```

b) Use the numbers to complete the sentences.

☐ is closer to 50 than 40

☐ is closer to 30 than 20

☐ is closer to 80 than 90

☐ is closer to 60 than 70

2 Here are some number cards.

| 2.7 | | 6.1 | | 4.9 | | 8.3 |

a) Draw arrows to estimate the position of the numbers on the number line.

```
├──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┤
2      3      4      5      6      7      8      9
```
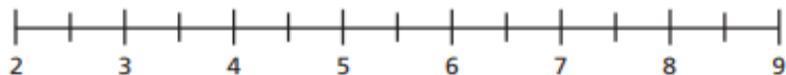
b) Use the numbers to complete the sentences.

☐ is closer to 5 than 4

☐ is closer to 3 than 2
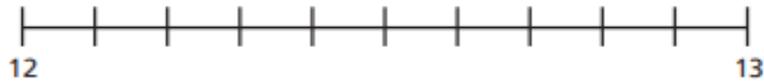
☐ is closer to 8 than 9

☐ is closer to 6 than 7
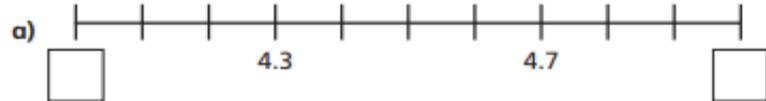
Day 4

a) Label 4.3 on the number line.

$$\vdash\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad\dashv$$
4   5
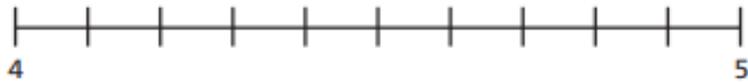
Is it closer to 4 or 5? ☐

b) Label 12.8 on the number line.

$$\vdash\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad\dashv$$
12   13

Is it closer to 12 or 13? ☐

Complete the number lines and sentences.

a) ☐
$$\vdash\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad\dashv$$
        4.3   4.7   ☐

☐ is closer to ☐ than ☐

☐ is closer to ☐ than ☐

b) ☐
$$\vdash\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad+\quad\dashv$$
   26.1   26.8   ☐

☐ is closer to ☐ than ☐

☐ is closer to ☐ than ☐

Day 5

Which numbers **round up** to the nearest whole number?
Circle your answers.

4.1   2.8   0.7   12.3   0.5   99.3

Round each decimal to the nearest whole number.

a) 1.8 ☐   **e)** 13.7 ☐

b) 4.2 ☐   **f)** 20.1 ☐

c) 0.9 ☐   **g)** 0.4 ☐

d) 1.5 ☐   **h)** 99.8 ☐

Ron is rounding 8.2 to the nearest whole number.

> Because 2 tenths is less than 5 tenths, the number rounds down to 7

Do you agree with Ron? _____

Explain your answer.

Answers

Day 1

Here are four numbers on place value charts.

a) What number is represented in each place value chart?

A

Ones	Tenths	Hundredths
1 1 1	0.1	0.01 0.01 0.01 0.01

3.14

B

Ones	Tenths	Hundredths
1 1 1 1	0.1	0.01 0.01 0.01 0.01

4.14

C

Ones	Tenths	Hundredths
1 1 1	0.1	0.01 0.01 0.01 0.01 0.01

3.15

D

Ones	Tenths	Hundredths
1 1 1	0.1 0.1	0.01 0.01 0.01

3.23

b) Write the numbers in ascending order.

3·14,   3·15,   3·23,   4·14

(smallest) .... (greatest)

Write the numbers in descending order.

1.42	4.12	1.24	2.41

4·12,   2·41,   1·42,   1·24

Day 2

Teddy's teacher asks him to put some numbers in ascending order.

Here is his answer.

0.64   12.7   2.83

Do you agree with Teddy? __No__

0.64……2.83…….12.7…..

Annie and Dexter are comparing the decimals 4.12 and 4.8

Annie: 4.12 is greater than 4.8, because 12 is bigger than 8

Dexter: 4.12 is smaller than 4.8, because 12 hundredths is less than 8 tenths.

Who do you agree with? __Dexter__

Explain your answer.

Here are two lists of numbers.

Use the digits 0 to 9 once each to complete the lists.   e.g.

ascending order   0.41   2.41   7.39   9.41

descending order   8.41   7.49   6.41   5.47
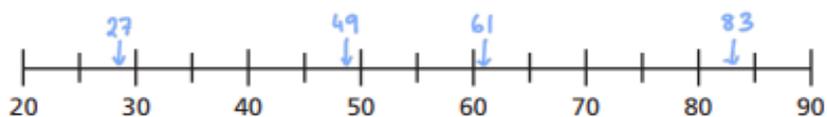
Compare answers with a partner.

Is there more than one way to complete each list?

Day 3

Here are some number cards.

| 27 | 61 | 49 | 83 |

a) Draw arrows to estimate the position of the numbers on the number line.

27   49   61   83

20   30   40   50   60   70   80   90

b) Use the numbers to complete the sentences.

49 is closer to 50 than 40

27 is closer to 30 than 20

83 is closer to 80 than 90

61 is closer to 60 than 70

b) Use the numbers to complete the sentences.
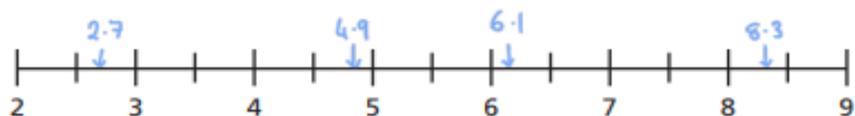
4·9 is closer to 5 than 4

2·7 is closer to 3 than 2

8·3 is closer to 8 than 9

6·1 is closer to 6 than 7

Here are some number cards.

| 2.7 | 6.1 | 4.9 | 8.3 |

a) Draw arrows to estimate the position of the numbers on the number line.

2·7   4·9   6·1   8·3

2   3   4   5   6   7   8   9

Day 4

a) Label 4.3 on the number line.

4·3 ↓

4 — 5

Is it closer to 4 or 5? `4`

b) Label 12.8 on the number line.

12·8 ↓

12 — 13
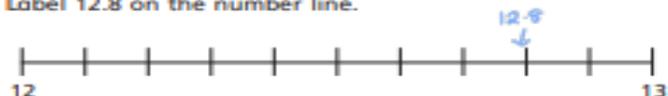
Is it closer to 12 or 13? `13`

Complete the number lines and sentences.

a)

`4` 4.3   4.7   `5`

| `4·3` | is closer to | `4` | than | `5` |
| `4·7` | is closer to | `5` | than | `4` |

b)

`26` 26.1   26.8   `27`
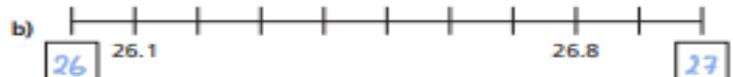
| `26·1` | is closer to | `26` | than | `27` |
| `26·8` | is closer to | `27` | than | `26` |

Day 5

▶ Which numbers **round up** to the nearest whole number?

Circle your answers.

4.1   (2.8)   (0.7)   12.3   (0.5)   99.3

▶ Round each decimal to the nearest whole number.

a) 1.8 `2`   e) 13.7 `14`

b) 4.2 `4`   f) 20.1 `20`

c) 0.9 `1`   g) 0.4 `0`

d) 1.5 `2`   h) 99.8 `100`

▶ Ron is rounding 8.2 to the nearest whole number.

> Because 2 tenths is less than 5 tenths, the number rounds down to 7

Do you agree with Ron? No