Wednesday 29th April 2020 Maths Y4

Good morning Year 4s. Today I would like you to do the Pre-learning Task below and then have a go at the Practise questions on the next page. If you are managing them without any problems, you can try the Mastery questions on the next page. If you need a bit more help you can watch the clip about rounding decimals and money amounts on BBC Bitesize https://www.bbc.co.uk/bitesize/topics/zh8dmp3/articles/zsvt97h
(The answers are on the last page – no peeping!!!!) Miss Bamber

| **Objective: Fractions** | **Decimals: -**Round decimals with one decimal place to the nearest whole number.<br>- Compare numbers with the same number of decimal places up to two decimal places. |
|---|---|

| Round the following decimal numbers to the nearest whole number | | | Which is the number with the greater value? | | |
|---|---|---|---|---|---|
| 17.3 | | | 3.12 or 3.21 | | |
| 24.8 | | | 4.14 or 4.41 | | |
| 19.3 | | | 3.42 or 3.24 | | |
| 7.5 | | | 6.7 or 6.69 | | |
| 16.5 | | | 5.6 or 5.55 | | |
| 17.4 | | | 8.3 or 8.13 | | |
| 29.6 | | | 10.56 or 10.65 | | |
| 1.3 | | | 6.76 or 6.67 | | |

## Pencil and Paper Activities
## Examples:

Round the following numbers to the nearest whole number.

5.3; 8.5; 9.3; 4.5; 9.1; 10.4; 89.4; 103.5; 90.6; 91.4; 9.5

Use a set of cards which have numbers that have up to 2 decimal places. The cards need to have many with the same whole number so that the focus is on the decimal values.
Share the cards between 2 to 4 players.
Each player should have a set of cards that are face down.
In turn, put your top card in the middle and see which card has a number with the highest value.

A number with one decimal place is rounded to the nearest whole number.
Given the rounded number; give two examples of what the numbers could have been.
**Example:** A number rounded to 25 could have been 24.6 or 25.4
Give two examples for the following numbers:
28; 34; 67; 103; 8; 17; 90; 67; 92; 67; 93; 99; 29

Circle the larger number in these horizontal pairs

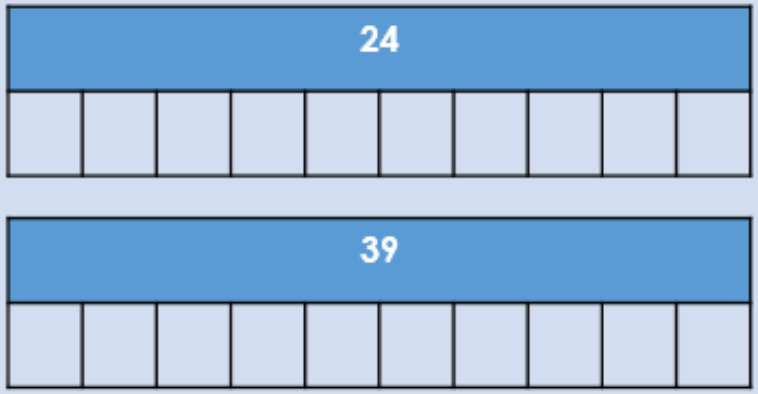
| | | | |
|---|---|---|---|
| 23.14 | 23.67 | 56.91 | 56.19 |
| 17.23 | 17.32 | 77.77 | 78.78 |
| 23.97 | 23.79 | 34.81 | 34.18 |
| 102.76 | 102.77 | 102.99 | 102.98 |

**If pupils have mastered this objective they will be able to complete these activities independently:**

Order the following sets of numbers and then round them to the nearest whole numbers:

| | | |
|---|---|---|
| 23.8 | 16.3 | 2.34 |
| 17.9 | 16.4 | 5.76 |
| 24.6 | 16.5 | 11.57 |
| 27.1 | 16.6 | 9.63 |
| 72.5 | 16.7 | 13.84 |

Given the rounded number of a one decimal place number write down all the possible numbers they could have been.




Write down a two decimal place number that is larger than the one shown.

| Given | Larger | Given | Larger |
|---|---|---|---|
| 3.12 | | 6.77 | |
| 8.34 | | 9.34 | |
| 1.45 | | 12.56 | |
| 9.34 | | 102.56 | |

Make a set of cards that have all the possible 2 decimal place numbers on them between 24 and 24.49.

Create a game which is about knowing which of two numbers is greater.

Play the game with your friends and make adjustments to the rules as needed before you copy out the rules.

## Focus Maths Answers Year 4

## Summer Term 2 Week 4

**Page 203 Pre-Learning Task**

| Round the following decimal numbers to the nearest whole number | | Which is the number with the greater value? | |
|---|---|---|---|
| 17.3 | **17** | 3.12 or 3.21 | **3.21** |
| 24.8 | **25** | 4.14 or 4.41 | **4.41** |
| 19.3 | **19** | 3.42 or 3.24 | **3.42** |
| 7.5 | **8** | 6.7 or 6.69 | **6.7** |
| 16.5 | **17** | 5.6 or 5.55 | **5.6** |
| 17.4 | **17** | 8.3 or 8.13 | **8.3** |
| 29.6 | **30** | 10.56 or 10.65 | **10.65** |
| 1.3 | **1** | 6.76 or 6.67 | **6.76** |

**Page 204 Practice and Consolidation**

Round the following numbers to the nearest whole number.

| | | | |
|---|---|---|---|
| 5.3 | **5** | 89.4 | **89** |
| 8.5 | **9** | 103.5 | **104** |
| 9.3 | **9** | 90.6 | **91** |
| 4.5 | **5** | 91.4 | **91** |
| 9.1 | **9** | 9.5 | **10** |
| 10.4 | **10** | | |

**Practical Task – Decimals Card Game**

A number with one decimal place is rounded to the nearest whole number. Given the rounded number; give two examples of what the numbers could have been.

Give two examples for the following numbers:

| | | | |
|---|---|---|---|
| 28 | **27.5 to 28.4** | 67 | **66.5 to 67.4** |
| 34 | **33.5 to 34.4** | 92 | **91.5 to 92.4** |
| 67 | **66.5 to 67.4** | 67 | **66.5 to 67.4** |
| 103 | **102.5 to 103.4** | 93 | **92.5 to 93.4** |
| 8 | **7.5 to 8.4** | 99 | **98.5 to 99.4** |
| 17 | **16.5 to 17.4** | 29 | **28.5 to 29.4** |
| 90 | **89.5 to 90.4** | | |

Circle the larger number in these horizontal pairs

| | | | |
|---|---|---|---|
| 23.14 | **23.67** | **56.91** | 56.19 |
| 17.23 | **17.32** | 77.77 | **78.78** |
| **23.97** | 23.79 | **34.81** | 34.18 |
| 102.76 | **102.77** | **102.99** | 102.98 |

**Page 205 Mastering this Objective**

Order the following sets of numbers and then round them to the nearest whole numbers:

**17.9, 23.8, 24.6, 27.1, 72.5 → 18, 24, 25, 27, 73**
**16.3, 16.4, 16.5, 16.6, 16.7 → 16, 16, 17, 17, 17**
**2.34, 5.76, 9.63, 11.57, 13.84 → 2, 6, 10, 12, 14**

Write down a two decimal place number that is larger than the one shown.

| Given | Larger |
|---|---|
| 3.12 | **3.67** |
| 8.34 | **8.42** |
| 1.45 | **1.71** |
| 9.34 | **9.39** |

| Given | Larger |
|---|---|
| 6.77 | **7.01** |
| 9.34 | **9.43** |
| 12.56 | **13.12** |
| 102.56 | **102.57** |

Given the rounded number of a one decimal place number write down all the possible numbers they could have been.

| **24** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **23.5** | **23.6** | **23.7** | **23.8** | **23.9** | **24.0** | **24.1** | **24.2** | **24.3** | **24.4** |

| **39** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **38.5** | **38.6** | **38.7** | **38.8** | **38.9** | **39.0** | **39.1** | **39.2** | **39.3** | **39.4** |