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**Subject:** Mathematics

**Level:** Standard Four

**Strand:** Number

**Topic:** **Decimals**

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**At the end of this worksheet, you will be able to:**

- Round decimals to the nearest whole number.

**Key Points:**

- Consider your place value when rounding decimals to the whole number (**One digit to the right of the decimal point**).
- Look at the next place value to the right of the ones digit (**the tenth**).
- If the tenth digit is **4 or less**, replace the tenth digit and all other digits to the right of it with 0.
- If the tenth digit is **5 or more**, add 1 to the digit in the ones position then replace the tenth digit and all the other digits to the right of it with 0.

- Write the equivalent number in its simplest form. This means that the **answer will not have any other digits beyond the ones position.**

**E.g.** Round **73.410** to the nearest whole number.

- Consider your place value when rounding decimals to the whole number (**One digit to the right of the decimal point**).

Tens	Ones	Tenth	Hundredth	Thousandth
7	3	4	1	0

- Look at the next place value to the right (**the tenth**).

73.410

- If the tenth digit is **4 or less**, replace the tenth digit and all other digits to the right of it with 0.

73.**000**

- Write the equivalent number in its simplest form. This means that the **answer will not have any other digits beyond the ones position.**

**73**

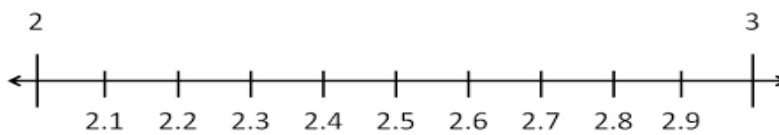
Therefore 73.410 rounded to the nearest whole number is **73**.

## ACTIVITY 1

1. Round off **345.67** to the nearest **whole number**.

Answer \_\_\_\_\_

2. Look at the number line below.



What is **2.4** rounded off to the nearest whole?

Answer \_\_\_\_\_

3. Write **983.491** to the nearest whole number.

Answer \_\_\_\_\_

4. Read the following clues together with the table given to obtain the correct answer to the riddle.

**Clues:**

- I am between 10 and 20.
- I am 15 when rounded to the nearest whole.
- I have 4 digits.
- My ones digit is even.

12.7	15.24	16.6	13.58
14.57	16.08	14.9	15.48

Which of the numbers from the above table am I?

Answer \_\_\_\_\_

5. Express **8564.72** to the nearest whole.

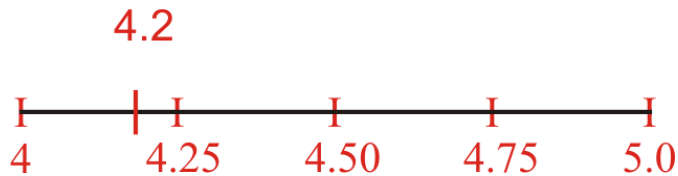
Answer \_\_\_\_\_

## ACTIVITY 2

1. Jamie has a piece of rope 15.15 m long and Shani has a piece of rope 5.30 m long. Calculate the total length of the two pieces of rope, then round off your answer to the nearest whole.

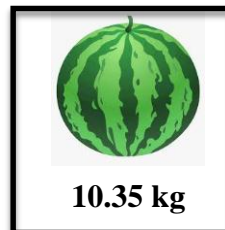
Answer \_\_\_\_\_

2. What is 4.2 rounded off to the nearest whole? You may use the number line to assist you



- a) 4.25      b) 4      c) 4.50      d) 5.0
3. A watermelon weighs 10.35 kg and a pumpkin weighs 4.6 kg. Find the total weight of both items, then round off the answer to the nearest whole.

Answer \_\_\_\_\_



4. What is the sum of 5.1 and 4.73 rounded off the nearest whole?

Answer \_\_\_\_\_

5. What is 5 839.95 written to the nearest whole is?

- a) 5839      b) 5839.90      c) 5840      d) 5830

## ASSESSMENT

1. Kayden lives in Crown Point and his cousin Miles lives in Speyside. It is 36.63 kilometres from Crown Point to Speyside. Express **36.63km** to the **nearest km**.

Answer \_\_\_\_\_

2. Round **894.501** to the nearest whole.

Answer \_\_\_\_\_

3. To sew Malia's school uniform skirts, her mother needs 4.50 metres of fabric. To make her school uniform tie she needs 0.42 metres. Determine how many metres of fabric her mother should buy, rounding your answer to the nearest whole.

Answer \_\_\_\_\_

## **ANSWER KEY**

### **ACTIVITY 1**

- 1. 346**
- 2. 2**
- 3. 983**
- 4. 14.57**
- 5. 8565**

### **ACTIVITY 2**

- 1. 20 m**
- 2. b) 4**
- 3. 15 kg**
- 4. 10**
- 5. c) 5840**

### **ASSESSMENT**

- 1. 37 km**
- 2. 895**
- 3. Her mother should by 5 metres of fabric.**