

## Interactive Revision Worksheet

### Chapter 1: Lesson 1

#### Patterns with Exponent and powers of 10



In this Lesson, you will use the properties of multiplication to calculate a product.

#### Examples:

❖ Find each product :

1)  $8 \times 10^4$  =

2)  $6 \times 100$  =

3)  $10^3 \times 6 =$

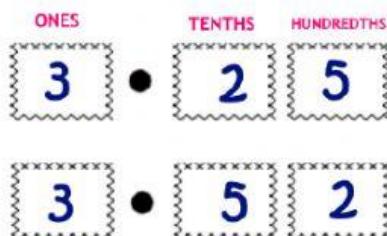
❖ One box of printer paper has  $3 \times 10^2$  sheets of paper. Another box has  $10^3$  sheets of paper. What is the total number of sheets in both boxes ?

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## Chapter 1: Lesson 5

### Compare Decimals

#### Comparing & Ordering Decimals



Guru Angad Educational

**Vision:** Empowering learners with competence and the passion for lifelong learning to impact their community.

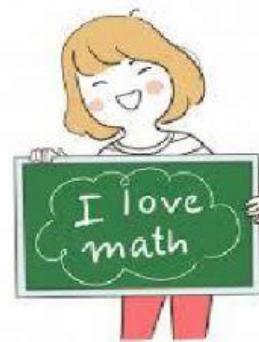
**Mission:** To enlighten all learners with a standard-oriented curriculum that promotes positive life connections, in an inspiring and nurturing environment, based on the integration of technology and inquiry. We strive for our resilient learners to proficiently embrace the future.

In this lesson we will use place value to compare decimals

### Examples:

❖ Compare using <,> or = :

1) 8.66	<input type="text"/>	8.576
2) 7.09	<input type="text"/>	6.65
3) 5.565	<input type="text"/>	5.050
4) 3.235	<input type="text"/>	3.621



❖ Order these decimals from least to greatest

5.6	<input type="text"/>	5.3	<input type="text"/>	5.8	<input type="text"/>	5.4	<input type="text"/>	5.0	<input type="text"/>	6.0	<input type="text"/>
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## Chapter 1: Lesson 6

### Round Decimals



In this lesson we will use place value to round  
decimals to different places

#### Examples:

❖ Round each decimal to the place of the underlined digit

1) 12. <u>4</u> 1	<input type="text"/>
2) 10.8 <u>4</u> 6	<input type="text"/>
3) <u>7</u> .3	<input type="text"/>
4) 9. <u>4</u> 01	<input type="text"/>
5) <u>3</u> .811	<input type="text"/>

## Chapter 2: Lesson 2

### Estimate Sums and differences

#### Compatible Numbers

$$\begin{array}{r}
 \begin{array}{cc}
 \textcircled{1} & \textcircled{1} \\
 4 & 9 & 3 \\
 + & 5 & 4 & 9 \\
 \hline
 1 & 0 & 4 & 2
 \end{array}
 & \xrightarrow{\hspace{1cm}} & \begin{array}{cc}
 \textcircled{1} \\
 4 & 9 & 0 \\
 + & 5 & 5 & 0 \\
 \hline
 1 & 0 & 4 & 0
 \end{array} \\
 & \xrightarrow{\hspace{1cm}} & \text{Close to actual sum}
 \end{array}$$

In this lesson you will use compatible numbers  
to estimate sums and differences.

#### Example:

If we have to add 493 and 549, we can use compatible numbers to estimate :

$$493 \xrightarrow{\hspace{1cm}} 490$$

$$\underline{+ 549} \xrightarrow{\hspace{1cm}} \underline{+ 550}$$

$$\begin{array}{ccc} \text{[Redacted]} & & \text{[Redacted]} \end{array}$$

$$493 \xrightarrow{\hspace{1cm}} 500$$

$$\underline{+ 549} \xrightarrow{\hspace{1cm}} \underline{+ 500}$$

$$\begin{array}{ccc} \text{[Redacted]} & & \text{[Redacted]} \end{array}$$

## Chapter 2: Lesson 4

### Add Decimals

# Adding Decimals

#### Steps

1. Line them up by the decimal
2. Drop the decimal down
3. Fill in the place holders & solve

Example:  $4.98 + 21.7$

$$\begin{array}{r} & ^1 \\ & 4.98 \\ + & 21.70 \\ \hline & 26.68 \end{array}$$

In this lesson, we will add decimals to the hundredths using the standard algorithm

**Example:**

$$\begin{array}{r} 2.345 \\ + 1.500 \\ \hline \end{array}$$

## Chapter 2: Lesson 5

### Subtract Decimals

#### #14 Subtract Decimals

Subtract  $3.58 - 1.6$

$$\begin{array}{r} 2 \\ \cancel{3} \\ \underline{-} \\ 1.58 \\ - 1.60 \\ \hline 1.98 \end{array}$$



Step 1: Line up the decimals

Step 2: If needed, put zeros in as place holders

Step 3: Subtract decimals

Step 4: Bring decimal down

**In this lesson, we will subtract decimals to the hundredths using the standard algorithm.**

#### Example:

5.09

- 1.337

## Chapter 2: Lesson 6

### Add and Subtract Decimals

Solve these problems. Remember, it's always a good idea to estimate your answer first.

$$136.04 + 102.27 \longrightarrow 136.04$$
$$\quad \quad \quad + \underline{102.27}$$
$$\quad \quad \quad \underline{\underline{238.31}}$$

Write in vertical column, aligning the decimal points.

Add each column, starting on right. Carry digits when needed.

$$2.37 - 0.031 \longrightarrow 2.\overset{6}{3}70$$
$$\quad \quad \quad - \underline{0.031}$$
$$\quad \quad \quad \underline{\underline{2.339}}$$

Write in vertical column, aligning the decimal points.

Subtract each column, starting on right and working left. Borrow as needed.

## Chapter 3: Lesson 1

### Multiply Greater numbers by powers of 10

As we multiply, the numbers get larger!

The exponent tells us how many zeros we need.

$$8 \times 10^1 = 80$$

$$8 \times 10^2 = 800$$

$$8 \times 10^3 = 8,000$$



In this lesson, we will use place-value understandings and patterns to mentally multiply whole numbers and power of 10

#### Example:

Find each product:

- 1)  $102 \times 10^4 =$
- 2)  $3,510 \times 10^0 =$
- 3)  $54 \times 10^2 =$