

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) $6 \times 100 =$

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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.

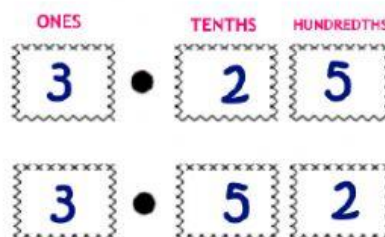
3) $10^3 \times 6 =$

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

Chapter 1: Lesson 5

Compare Decimals

Comparing & Ordering Decimals



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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	5.3	5.8	5.4	5.0	6.0

Chapter 1: Lesson 6

Round Decimals



ROUNDING

Underline the digit
look next door.

If it's 5 or greater
add one more.

If it's less than 5
leave it for sure.

Everything after
is a zero, not more.

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) 12.41
- 2) 10.846
- 3) 7.3
- 4) 9.401
- 5) 3.811

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Chapter 2: Lesson 2

Estimate Sums and differences

Compatible Numbers

$$\begin{array}{r}
 \overset{\textcircled{1}}{4} \quad \overset{\textcircled{1}}{9} \quad 3 \\
 + 5 \quad 4 \quad 9 \\
 \hline
 1 \quad 0 \quad 4 \quad 2
 \end{array}$$

→

$$\begin{array}{r}
 \overset{\textcircled{1}}{4} \quad 9 \quad 0 \\
 + 5 \quad 5 \quad 0 \\
 \hline
 1 \quad 0 \quad 4 \quad 0
 \end{array}$$

Close to actual sum

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 :

$493 \rightarrow 490$

$$\begin{array}{r}
 + 549 \\
 \hline
 \end{array}$$

$+550$

$$\begin{array}{r}
 +550 \\
 \hline
 \end{array}$$

$493 \rightarrow 500$

$$\begin{array}{r}
 + 549 \\
 \hline
 \end{array}$$

$+500$

$$\begin{array}{r}
 +500 \\
 \hline
 \end{array}$$

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:

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

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Chapter 2: Lesson 6

Add and Subtract Decimals

Solve these problems. Remember, its always a good idea to estimate your answer first.

$$136.04 + 102.27 \rightarrow \begin{array}{r} 136.04 \\ + 102.27 \\ \hline 238.31 \end{array}$$

Write in vertical column,
aligning the decimal points.

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

$$2.37 - 0.031 \rightarrow \begin{array}{r} 2.3\overset{6}{\cancel{7}}0 \\ - 0.031 \\ \hline 2.339 \end{array}$$

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.

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

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

$$8 \times 10^3 = 8000$$



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) $54 \times 10^2 =$