

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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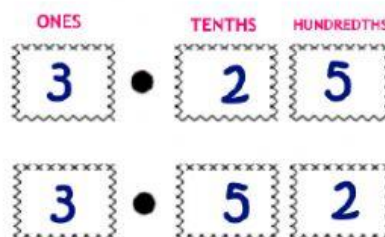
3) $10^3 \times 6 =$

- ❖ 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} \textcircled{1} \quad \textcircled{1} \\ 4 \quad 9 \quad 3 \\ + 5 \quad 4 \quad 9 \\ \hline 1 \quad 0 \quad 4 \quad 2 \end{array} $	$\longrightarrow$	$ \begin{array}{r} \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
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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 :

$493 \longrightarrow 490$
$+ 549 \longrightarrow +550$
$493 \longrightarrow 500$
$+ 549 \longrightarrow +500$

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.

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

Write in vertical column,
aligning the decimal points.

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

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

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) $54 \times 10^2 =$