

Mathematics Worksheet

Name: _____.

Date: _____.

Grade: 5th

Each section includes 5 questions based on your study guide topics. Read each question carefully and answer.

1-1 Patterns with Exponents and Powers of 10

1. What does 10^3 mean?

Ans:

2. Write $10 \times 10 \times 10$ using an exponent.

Ans:

3. What is the value of 10^2 ?

Ans:

4. How many zeros are in 10^4 ?

Ans:

5. What happens to a number when you multiply it by 10?

Ans:

1-2 Understand Whole-Number Place Value

1. Write 4,205 in expanded form.

Ans:

2. What is the value of the 6 in 46,792?

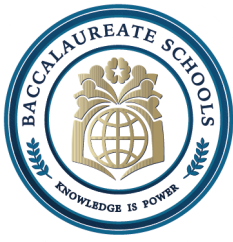
Ans:

3. Write 7,309 in word form.

Ans:

4. Which digit is in the hundreds place in 28,461?

Ans:



5. Write the number $6 \times 1,000 + 3 \times 100 + 8 \times 10$ in standard form.

Ans:

1-3 Decimals to Thousandths

1. Write 0.325 as a fraction.

Ans:

2. Write $\frac{5}{1000}$ as a decimal.

Ans:

3. Which is greater: 0.452 or 0.425?

Ans:

4. Write $\frac{3}{10}$ as a decimal.

Ans:

5. Write 0.007 as a fraction.

Ans:

1-4 Understand Decimal Place Value

1. Write 0.305 in word form.

Ans:

2. What is the value of the 6 in 8.654?

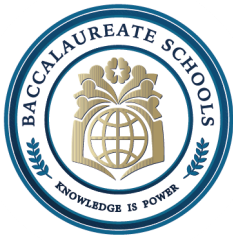
Ans:

3. Write 4.307 in expanded form.

Ans:

4. Which digit is in the hundredths place in 7.458?

Ans:



5. Write $5 + \frac{3}{10} + \frac{4}{100}$ as a decimal.

Ans:

1-5 Compare Decimals

1. Which number is greater: 0.45 or 0.405?

Ans:

2. Order 0.7, 0.5, and 0.9 from least to greatest.

Ans:

3. Use $<$, $>$, or $=$ to compare 0.4 and 0.40.

Ans:

4. Which number is smaller: 0.72 or 0.702?

Ans:

5. Arrange these from greatest to least: 0.84, 0.48, 0.804.

Ans:

1-6 Round Decimals

1. Round 4.82 to the nearest tenth.

Ans:

2. Round 3.456 to the nearest hundredth.

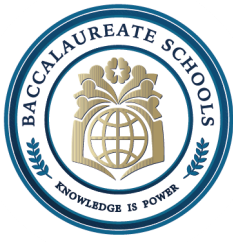
Ans:

3. Round 6.879 to the nearest tenth.

Ans:

4. Round 2.509 to the nearest whole number.

Ans:



5. Round 0.765 to the nearest tenth.

Ans:

1-7 Problem Solving: Look for and Use Structure

1. Find the next number in the pattern: 1, 10, 100, ____.

Ans:

2. If $3 \times 10 = 30$, what is 3×100 ?

Ans:

3. What pattern do you see in the powers of 10?

4. If $10^0 = 1$, what is 10^1 ?

Ans:

5. What is the rule for the pattern 0.2, 0.02, 0.002?

Ans: