TAKE THIS HOME TONIGHT FOR FURTHER REVIEW: TEST TOMORROW!

Multiplication (Vertical)

Name: — Mr. H

Solve each problem.

1) $\begin{array}{r} 2{,}987 \\ \times \quad 54 \\ \hline \end{array}$

2) $\begin{array}{r} 4{,}920 \\ \times \quad 51 \\ \hline \end{array}$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Dividing Whole Numbers

Solve each problem. Round to the tenths place.

3) $67\overline{)8{,}325}$

4) $39\overline{)2{,}106}$

Finding Solutions → U.S.E R.U.D.E

Solve each problem.

5) A coat manufacturer puts 431 coats in a shipment. If they sent out 80 shipments, how many coats would they have sent out?

6) A movie theater sells 319 buckets of popcorn a day. If each bucket has 55 pieces of popcorn in it, how many pieces do they sell in a day?

5th Grade MATH Illuminate Review Packet for TEST #1

- 20 minutes Independent Work
- 20 minutes Partner Work
- Answer ✓ w/ Mr. Lloyd

Expanded Notation to Numeric Form with Decimals

Name:

Convert each problem to numeric notation.

Ex) $6 \times 100 + 8 \times 10 + 9 + (8 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

1) $7 \times 10 + 9 + (6 \times \frac{1}{10})$

2) $7 \times 10 + 2 + (5 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

3) $1 \times 100 + 2 \times 10 + 5 + (8 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

Rounding Decimals

Round each number to the correct place value.

4) Round to the nearest hundredth. 255.111 _____

5) Round to the nearest tenth. 366.662 _____

6) Round to the nearest hundredth. 91.1327 _____

Examining Digit Place Values

Compare the values of each of the digits.

7) 962.69
The 6 in the tens place is _____ the value of the 6 in the tenths place.

8) 9,443.2
The 4 in the tens place is _____ the value of the 4 in the hundreds place.

9) 54.45
The 5 in the tens place is _____ the value of the 5 in the hundredths place.

Answers

Ex. 689.854

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

Ordering Decimal Numbers

Order the numbers from least to greatest.

Ex)
A. 69.885
B. 69.139
C. 69.964
D. 69.942

10)
A. 73.684
B. 73.4
C. 73.422
D. 73

11)
A. 73.519
B. 73.43
C. 74
D. 73.326

Answers

Ex. B,A,D,C

10 _____

11 _____

Adding & Subtracting Decimals

Name:

Solve each problem.

1) 27 - 24.53 = _____

2) 66.18 + 31.183 = _____

3) 76.13 - 62.664 = _____

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Placing Decimals with Multiplication

Name:

Determine the placement of the decimal in each product.

5.809 × 7.8 = 4 5 3 1 0 2

1. Count the quantity of numbers to the right of the decimal for each factor.

   5.809 has 3 numbers right of the decimal (5.809)
   7.8 has 1 number right of the decimal (7.8)

2. Add the amounts together. Your answer should have the same quantity of numbers to the right of the decimal.

   3 + 1 = 4
   5.089 (3) × 7.8 (1) = 45.3102 (4)

Also notice that 5 × 7 = 35 and 6 × 8 = 48 , so 5.809 × 7.8 will be a more than 35 but less than 48.

1) 2 × 5.26 = 1 0 5 2

2) 7.1 × 2.15 = 1 5 2 6 5

3) 5.222 × 5.63 = 2 9 3 9 9 8 6

Solve. Show Your Work

7) 7.6 × 23

8) 1.2 × 8.3

9) 25.76 ÷ 7

10) 5)46.3

Understanding Exponents

Name:

Answers

Rewrite the number as a multiplication problem.

1) 2^3

2) 9^3

3) 5^2

Rewrite the multiplication problem in exponential notation.

4) $6\times6\times6\times6$

5) $2\times2\times2$

6) 3×3

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Determine the first expression to evaluate in each problem.

Answers

Step 1: Parenthesis ( )	First solve any expressions in parenthesis.
Step 2: Exponents $^{2\,3}$,	Next solve any expressions that have exponents.
Step 3: Multiply or Divide ×,÷	Then solve multiplication or division expressions (going from left to right).
Step 4: Add or Subtract +,-	Finally solve addition or subtraction expressions (going from left to right).

Ex. $27\div9$

Ex) $10+27\div9+9\times5$

7) $3+5+8^3+10+6$

8) $(2+14\div7)-2+3$

9) $9+4+32\div4+4$

7. _____
8. _____
9. _____
10. _____
11. _____

Using Order of Operations

Evaluate each expression.

10) $(5\times2+10^3)+10+7$

11) $10+(4+8^3)\times2+3$

16

17

18

1

20

75

25

Finding Least Common Multiple

Name: Answer Key

Find the least common multiple of both numbers.

To find the least common multiple one strategy is to list the multiples of the numbers.

4	4	8	12	16	20	24	28	32	36	40	44	48
6	6	12	18	24	30	36	42	48	54	60	66	72

Some of the multiples 4 and 6 have in common are: 12, 24, 36 & 48.
The common multiple that is least is 12.

Circle the product of the two factors in each row.
Box each common multiple (find them all :)
Which number is the LCM?
Is the PRODUCT the SAME as the LCM?

1)

6	6	12	18	$\boxed{24}$	30	36	42	48
8	8	16	$\boxed{24}$	32	40	48	56	64

2)

4	4	8	12	16	20	24	28	32	36	40	44	48
12	12	24	36	48	60	72	84	96	108	120	132	144

3)

11	11	22	33	44	55	66	77	88	99	110	121
5	5	10	15	20	25	30	35	40	45	50	55

4)

2	2	4	6	8	10	12	14	16
8	8	16	24	32	40	48	56	64

5)

11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

6)

6	6	12	18	24	30	36	42
7	7	14	21	28	35	42	49

7)

9	9	18	27	36	45	54	63	72	81
5	5	10	15	20	25	30	35	40	45

Answers

	LCM	Same?
1.	24	No
2.		
3.		
4.		
5.		
6.		

Express each number as a product of its prime factors.

Example

40

Method 1

2	40
2	20
2	10
	5

$40 = 2 \times 2 \times 2 \times 5$

Method 2

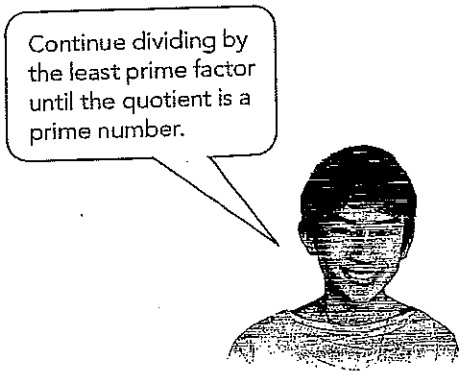
40

2 · 20

2 · 2 · 10

2 · 2 · 2 · 5

$40 = 2 \times 2 \times 2 \times 5$



10. 54

Method 1

2	54
3	27

$54 = 2 \times 3 \times ___ \times ___$

Method 2

54

2 · ___

2 · 3 · ___

$2 \cdot 3 \cdot ___ \cdot ___$

Circle all the prime numbers in the table.

1.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

ON ANOTHER SHEET OF PAPER MAKE PRIME FACTOR TREES FOR #1-9

28

14 · 2

7 · 2 · 2