

Spiral #1

Name:

6th Grade

Find the prime factorization of each number

1) 100

2) 30

3) 42

4) 15

5) 19

6) 50

7) 10

8) 60

9) 3

Find the GCF & LCM of the numbers.

1) 13 and 40

2) 7 and 30

3) 5 and 24

4) 8 and 72

5) 30 and 40

6) 6 and 9

7) 3 and 17

8) 4 and 12

Tell if the following numbers are divisible by 2, 3, 4, 5, 6, 9 and/or 10 using divisibility rules.

1) 543

2) 1,048

3) 267

4) 344

5) 324

6) 6,006

Use the distributive property to simplify the expressions.

$$1) 3(x+4)$$

$$2) 5(y-2)$$

$$3) 7(a+3)$$

$$4) 4(b-6)$$

$$5) 2(3x+1)$$

$$6) 4(2y-3)$$

$$7) a(b+c)$$

$$8) d(e-f)$$

$$9) 2x(3y+5z)$$

$$10) 4a(6b-2c)$$