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For Grades 1 - 10



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Ratio and Tables Worksheet

Complete the following ratio tables:

1.

10		75	
6	30		42

2.

21		28	
	12	8	10

3.

$6z^2$		$2z^2$	$14z^2$
	$18z$	3	

4.

$6y^2$		$3y$	
	$25y^3$	$5y^2$	$35y$

5.

pq	q^2		
p^2		p^3	p

6.

-16		-56	24
18	90		

7.

17			11
	-16	48	44

8.

mx^3	m^3x^3		
m^2x		m^4x^4	m^5x

9.

28	21		-70
	30	20	

10.

0.6		3.6	4.4
	4.2	5.4	

When you learn math
in an interesting way,
you never forget.



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Singapore, India, UAE & more.

Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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ANSWERS

I.

10	10	75	70
6	30	45	42

II.

21	42	28	35
6	12	8	10

III.

$6z^2$	$54z^2$	$9z^2$	$14z^2$
2	$18z$	3	$14/3$

IV.

$6y^2$	$15y^2$	$3y$	7
$10y^3$	$25y^3$	$5y^2$	$35y$

V.

pq	q^2	p^2q	q
p^2	pq	p^3	p

VI.

-16	-80	-56	24
18	90	63	-27

VII.

17	4	12	11
68	-16	48	44

VIII.

mx^3	m^3x^7	m^3x^6	m^4x^3
m^2x	m^4x^5	m^4x^4	m^5x

IX.

28	21	14	-70
40	30	20	-100

X.

0.6	2.8	3.6	4.4
0.9	4.2	5.4	6.6

FUN FACT

1. If a is the first term of an AP, d is the common difference, n refers to the number of terms, then a_n refers to the general term of the arithmetic sequence given as: $a_n = a + (n-1)d$
2. If we have the first term a , the last term a_n , the number of terms n , then we can find the sum to n terms by the following equation: $S_n = \frac{n}{2}\{a + a_n\}$

