Name: ____t ØZ

Basic Algebra Review



Evaluate each expression. Let a = 24. Let b = 2.

$$\frac{\alpha}{3}$$
 $\frac{\delta}{2}$

$$\frac{24}{a}$$

Rewrite each phrase as an algebraic expression.

$$\frac{c-7}{30}$$
 divided by $\frac{30}{30}$

the product of 5 and e
$$\frac{5e}{}$$
 the sum of 8 and f $\frac{5+}{}$

the sum of 8 and
$$f = \$ + + -$$

Determine the value of the variable in each equation.

$$1419 = 26$$
 -14
 $1479 = 29-12$

mine the value of the variable in each equal
$$14+9=26$$

$$14+9=26$$

$$12 h=60$$

$$12 h=60$$

$$12 h=60$$

$$\frac{28}{i} = 4$$

Determine the value of the unknown variable in each equation.

$$11j = k$$

$$i = 10 . k = 110$$

$$\frac{16}{m} = n \qquad p+7=q$$

$$j = 10 \qquad k = 110 \qquad m = 4, n = 4$$

$$p+7=q$$

$$p = 12, q = 19$$

Complete the tables.

Name: LOZ

Equations with 2 Variables

Determine the value of the unknown variable in each equation.

$$10 + a = b$$

$$a = 7$$
, $b = 17$

$$g-2=h$$

$$a=7, b=17$$
 $g=10, h=8$



$$12n = m$$

$$\frac{16}{v} = w$$

12 n = m
$$\frac{16}{v} = w$$
 $e + 9 = f$ $n = 3$ $m = 36$ $v = 2, w = 9$ $e = 9$ $f = 17$

$$a+9=f$$

$$e = 0$$
, $f = 17$

$$x + 14 = y$$

х	4	6	9	U	16
У	18	20	23	25	30

У	2	4	6	a	12
Z	10	20	20	45	60

j					
а	12	15	74	28	56
b	C	Q.	18	22	50

$$\frac{r}{s} = s$$

			1			
г	2	4	8	14	21	
S	1	7	16	7	11	

$$\frac{50}{n} = m$$

n	2	5	10	25	30
m	25	10	5	2	1

$$9 - x = y$$

1					
X	0	3	5	8	9
У	Ø	6	4	1	0

Name: 0 Z

Basic Algebra with 2 Variables



1.

$$a+5=b$$

If a equals 2, b will equal 1

If a equals 4, b will equal _______.

If a equals 7, b will equal D.

3

$$7e = f$$

If e equals 3, f will equal $\frac{1}{2}$.

If e equals 6, f will equal $\frac{42}{}$.

If e equals 12, f will equal $\underline{\mathcal{Y}}$.

2.

If c equals 10, d will equal 4

If c equals 14, d will equal 9.

If c equals 21, d will equal 15.

$$\frac{12}{g} = h$$

If g equals 3, h will equal $\frac{1}{4}$.

If g equals 4, h will equal 3.

If g equals 2, h will equal 6.

5.

$$j + 5 = k$$

j	k
3	8
0	5
9	14
Q	13

7.

$$\frac{p}{3} = q$$

р	q
9	3
33	11
36	12
21	7

6.

$$6m = n$$

m	n
3	18
5	30
0	Ô
Q	54

8

$$13 - r = s$$

٢	S
7	6
8	5
9	4
12	1

Estimate. (Lesson 2.5)

66.
$$6,298 \div 164 \quad 30$$
 $8,000 \quad 4,000$
7,623 ÷ 4,451

67.
$$7.623 \div 4.451$$

Divide. (Lesson 2.6)

3 69.
$$96 \div 16 = 6$$

16

16

16

16

96

96

70.
$$57 \div 23 = \frac{7 \times 11}{2511}$$
 $23 = \frac{7 \times 11}{57}$
 $- \sqrt{6}$

71.
$$459 \div 27 = 17$$

$$27 | 459 \div 27 = 17$$

$$-27 | 47$$

$$-189 | 47$$

$$-189 | 89$$

$$-189 | 189$$

$$-45 | 45$$

73.
$$60 + 12 - 36 = 36$$
 74. $10 \times 9 \div 3 = 30$

$$10 \times 9 \div 3 = 30$$

$$50 \times 8 + 12 \div 4 = 403$$
 $403 \times 8 + 10 = 10$

$$29 + 42 \div 6 = 36$$
 76. $(90 - 85) \times 7 = 35$

$$69 \div 3 - 3 + 10 = 10$$