

Name: ..... Class: .....

## Ratio tables

Complete the ratio tables below.

1.

Numerator	Denominator
10	2
30	a
b	8
20	c

4.

Numerator	Denominator
4	2
12	a
b	16
18	c

2.

Numerator	Denominator
27	a
9	11
18	22
b	33

5.

Numerator	Denominator
36	a
7	49
9	81
b	54

3.

Numerator	Denominator
33	a
5	17
24	14
b	21

6.

Numerator	Denominator
56	a
14	7
28	4
b	33

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Ratio tables

Complete the ratio tables below.

1.

Numerator	Denominator
10	2
30	a
b	8
20	c

Since we know that the values are equivalent, we can find the missing values.

Use the complete ratio to find the other values.

$$10 : 2 = \frac{10}{2}$$

set  $\frac{10}{2}$  equal to any incomplete ratio.

$$\frac{10}{2} = \frac{30}{a}$$

To get **a**, we'll multiply 2 by 30 and divide by 10.

$$\frac{10}{2} = \frac{30}{a}$$

$$a = \frac{2 \times 30}{10} = 6$$

**a = 6**

for **b**,  $\frac{10}{2} = \frac{b}{8}$

$$b = \frac{10 \times 8}{2} = 40$$

**b = 40**

for **c**,  $\frac{10}{2} = \frac{20}{c}$

$$c = \frac{20 \times 2}{10} = 4$$

**c = 4**

so, the complete table is

Numerator	Denominator
10	2
30	6
40	8
20	4

2.

Numerator	Denominator
27	33
9	11
18	22
27	33

Since we know that the values are equivalent, we can find the missing values.

Use the ratio thats complete to find the other values

$$9 : 11 = \frac{9}{11}$$

set  $\frac{9}{11}$  equal to any incomplete to find ratio.

$$\frac{9}{11} = \frac{27}{a}$$

To get **a**, we'll multiply 11 by 27 and divide. by 9.

$$\frac{9}{11} = \frac{27}{a}$$

$$a = \frac{11 \times 27}{9} = \frac{297}{9}$$

**a = 33**

Let's solve the other expression;

for **b**,

$$\frac{9}{11} = \frac{b}{33}$$

$$b = \frac{9 \times 33}{11}$$

$$= \frac{297}{11}$$

**b = 27**