Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Marvel

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6

72 48

b. What information is in a ratio table? How can that information be used?

for every 6 cookies there is 4 cupcakes so we can use that to get equivalent ratios

c. If there are 48 cupcakes, how many cookies are there? Show work.

72 ÷ 6 = 12

6 x 12 = 72

72 cookies

Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Grah

Classwork

Problem Solving Task:

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a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6
72	48

b. What information is in a ratio table? How can that information be used?

c. If there are 48 cupcakes, how many cookies are there? Show work.

BCS Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Chris

Classwork

Problem Solving Task:

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The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6

b. What information is in a ratio table? How can that information be used?

The information can be used so I can find what one of the amounts is.

c. If there are 48 cupcakes, how many cookies are there? Show work.

Section A:

1. The table below shows the number of tea bags needed to make different amounts of iced tea.

Number of Tea Bags	Total Quarts of Iced Tea
8	2
16	4
24	?
36	9

What is the total number of quarts of iced tea that can be made with 24 tea bags?

(A) 5

(B) 6

(C) 7

(D) 8

2. A farmer places beehives containing bees in her orchard to pollinate the plants. The table below shows the ratio of the number of beehives to the number of acres in the orchard.

BEEHIVES PER ACRE

Number of Beehives	3	9	12	18
Number of Acres	8	24	32	?

If the bees pollinate the plants at a constant rate, how many acres will be pollinated by the bees in 18 beehives?

(A) 38

(B) 40

(C) 44

(D) 48

BCS Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Ic J

Classwork

Problem Solving Task:

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a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6
72	48

b. What information is in a ratio table? How can that information be used?

- The information is the equivalant ratio of 6:4 cookies to cupcakes
- we can use that information to find an equivalent amount of cookies to cupcakes

c. If there are 48 cupcakes, how many cookies are there? Show work.

72 cookies

Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: David

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
72	48

x4 x3 ÷2 x12 x12 x4 x3 ÷2 +2

72 cookies 48 cupcakes

b. What information is in a ratio table? How can that information be used?

c. If there are 48 cupcakes, how many cookies are there? Show work.

Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Nyssa

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6
72	48

b. What information is in a ratio table? How can that information be used?

We get the simplified ratio and some parts of the equivalent ratio. It can be like scaling the orginal ratio to find it

c. If there are 48 cupcakes, how many cookies are there? Show work.

72 cookies

BCS Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Edriel M-C

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

$\frac{6}{4} \times \frac{3}{3} = \frac{18}{12}$ $6 : 24 = \frac{6}{4}$ $6 * 2 = 3$ $\frac{6}{4} \times \frac{4}{1} = \frac{24}{16}$

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6
72	48

×4 ×3 ×3

b. What information is in a ratio table? How can that information be used?

I used the information

c. If there are 48 cupcakes, how many cookies are there? Show work.

$24 : 16 = \frac{24}{16}$ $\frac{24}{16} \times \frac{3}{3} = \frac{72}{48}$ 72 cookies

Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Amelia. EV

Classwork

Problem Solving Task: Important

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6
72	48

x12 x1 1/2 x4 x3 ÷2 x4 x3 ÷2 x1 1/2 x17

b. What information is in a ratio table? How can that information be used?

The equivalent ra

c. If there are 48 cupcakes, how many cookies are there? Show work.

72 cookies

BCS Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Ariana

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6

×4, ×3, ÷2, ×3, ×4 (left side) ; ×4, ×3, ÷2, ×3, ×4 (right side)

72 : 48

3
18
+4
72

b. What information is in a ratio table? How can that information be used?

The information that is included in the table is the equivalent ratios

That information can be used by scaling the ratios up or

c. If there are 48 cupcakes, how many cookies are there? Show work.

Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Divine

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6
72	48

x12 ÷2 x4 x3 x3 x4 x3 ÷2 x12

b. What information is in a ratio table? How can that information be used?

The information

c. If there are 48 cupcakes, how many cookies are there? Show work.

BCS Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Alexander M-F

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
8	6
72	48

x12 (down) x12 (down)

b. What information is in a ratio table? How can that information be used?

c. If there are 48 cupcakes, how many cookies are there? Show work.

Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Nylah

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6

48

b. What information is in a ratio table? How can that information be used?

I know that there is numbers. I multiply the same amount for each side to get my amount of whatever is needed. In this scenio it is cupcakes & cookies.

c. If there are 48 cupcakes, how many cookies are there? Show work.

I know there will be 8 cookies because 6 x 8 = 48 cupcakes.

72 cookies to 48 cupcakes

Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Aaiden

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
28	6

48

b. What information is in a ratio table? How can that information be used?

c. If there are 48 cupcakes, how many cookies are there? Show work.

BCS Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Shamira

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6 x4	4 x4
24	16
18	18
3	12
2	6
72	48

b. What information is in a ratio table? How can that information be used? how many cookies there are for every cupcake

c. If there are 48 cupcakes, how many cookies are there? Show work.

BCS Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Nomia

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6
72	48

6:4 ×4 ×4 ×8 ×8

b. What information is in a ratio table? How can that information be used?

c. If there are 48 cupcakes, how many cookies are there? Show work.

BCS Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Victoria

Classwork

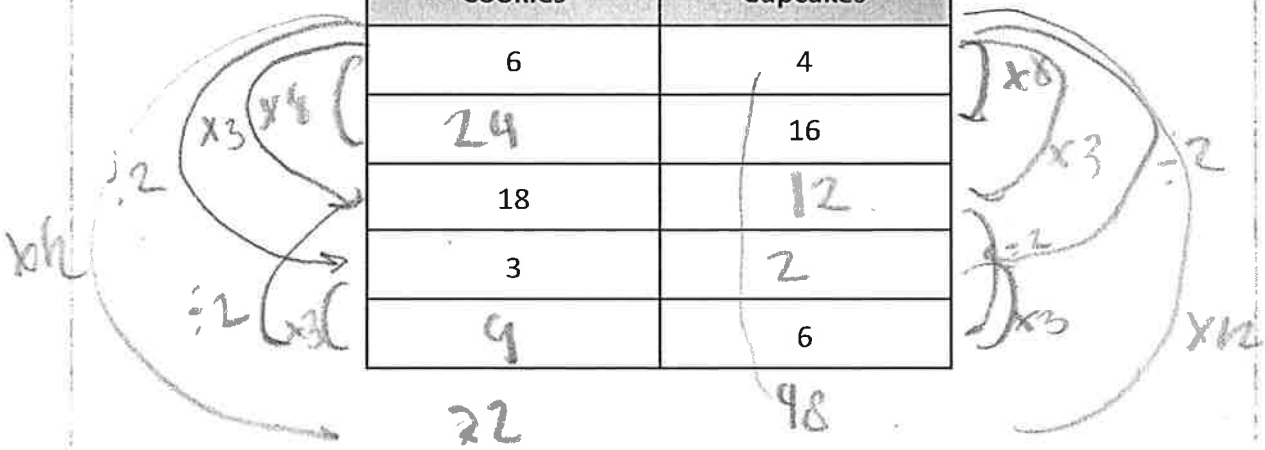
Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6



b. What information is in a ratio table? How can that information be used? The information

c. If there are 48 cupcakes, how many cookies are there? Show work.

72 Cookies

Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Jonathan

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6

48

b. What information is in a ratio table? How can that information be used?

For every 6 cookies, there is 4 cupcakes, so we can use that to equivilize the ratios.

c. If there are 48 cupcakes, how many cookies are there? Show work.

72:48

6x12=72

4x12=48

we multiply both numbers by the same amount, so there's 72 cookies.

BCS Brooke CHARTER SCHOOLS

6th Grade Math
3.06

Name: Jashia

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6
72	48

b. What information is in a ratio table? How can that information be used?

We have what the ratio is made out of which is cookies and cupcakes.

c. If there are 48 cupcakes, how many cookies are there? Show work.

x12 (6 : 4) 12
72 : 48

72 cookies

Brooke Charter Schools

6th Grade Math
3.06

Name: Flourish

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6

b. What information is in a ratio table? How can that information be used?

for every 3 cookies, there are 2 cupcakes

c. If there are 48 cupcakes, how many cookies are there? Show work.

BCS Brooke Charter Schools

6th Grade Math
3.06

Name: aj

Classwork

Problem Solving Task:

1. The table below is called a **ratio table**. A ratio table is a tool that you can use to create and organize equivalent ratios.

The ratio table below shows the ratio between cookies and cupcakes at a birthday party.

a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

Cookies	Cupcakes
6	4
24	16
18	12
3	2
9	6
72	48

x4, x3, ÷2, x12 (cookies); x4, x3, ÷2, x12 (cupcakes); ÷2 (between 18 and 9); ÷2 (between 12 and 6)

b. What information is in a ratio table? How can that information be used? The simplified ratio is already shown. I can use those numbers and see how those numbers are multiples of 4 and 6. or factors

c. If there are 48 cupcakes, how many cookies are there? Show work.

Co Cu
6 : 4
x12 ( ) x12
72 : 48

72 cookies

Brooke Charter Schools

6th Grade Math
3.06

Name: Niyah

Classwork

Problem Solving Task:

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a. Knowing what you know about how to create equivalent ratios, fill out the missing part of the table.

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6	4
24	16
18	12
3	2
72	48

b. What information is in a ratio table? How can that information be used?

We can see that the numbers are 4

c. If there are 48 cupcakes, how many cookies are there? Show work.

72 cookies