

MATH 7

Write your questions here!



Who has a better shot?

SULLY

KELLY

Ratio	Decimal	Percent
$\frac{2}{5}$		
	0.42	
	0.08	
	0.145	
		36 %
		4 %
		126 %

Fill in the table.

Ratio (Fraction)	Decimal	Percent
$\frac{1}{4}$		
		6 %
	0.3	

Rewrite 28.4% as a decimal.

PART TO A PART

Ratio of Pink to White

Ratio of White to Pink

PART TO A WHOLE

Ratio of Pink to Total Flowers

Ration of White to Total Flowers

Mr Brust's lunch has 6 cookies and 4 muffins

- What is the simplest ratio of cookies to muffins?
- What is the simplest ratio of muffins to total items?
- What percent of his lunch is cookies?
- If I have 36 cookies, how many muffins would I need to have the same ratio?

SUMMARY:



Fill in the tables below.

1.

Ratio (Fraction)	Decimal	Percent
$\frac{4}{5}$		
		8 %
	0.25	

2.

Ratio (Fraction)	Decimal	Percent
		74 %
$\frac{3}{8}$		
	0.04	

Rewrite the following.

3. Rewrite $\frac{7}{8}$ as a percent.

4. Rewrite $\frac{3}{12}$ as a decimal.

5. Rewrite 12.8% as a decimal.

6. Rewrite 0.05 as a percent.

7. Rewrite 0.17 as a fraction.

8. Rewrite 40% as a fraction.

Answer the following.

9. In Chloe's closet, there are 10 shirts and 15 shorts.

a. What is the simplest ratio of shirts to shorts?

b. What is the simplest ratio of shirts to total items?

c. What percent of the items in the closet are shirts?

d. Chris has 4 shirts and 5 shorts in his closet. Is the ratio of shirts to shorts in Chris's closet the same as the ratio of Chloe's closet? Explain.

Answer the following.

10. Scrooge McDuck has 8 quarters and 6 dimes in his pocket.

- a. What is the simplest ratio of quarters to dimes?
- b. What percent of Scrooge's coins are dimes?
- c. If Hewey has 30 dimes in his pocket, how many quarters would he need in order to keep the same ratio as Scrooge?

11. Generic High School has a new ski club this year. In the club are 4 girls and 16 boys.

- a. What is the simplest ratio of girls to boys in the ski club?
- b. What is the simplest ratio of girls to total members of the ski club?
- c. What percent of the ski club is male?
- d. The drama club has 12 girls and 48 boys. Is the ratio of girls to boys in the drama club the same as the ratio of girls to boys in the ski club?

12. It takes you 3 hours to read 72 pages in your novel.

- a. What is your ratio of pages read to hours?
- b. Speed Reader reads 36 pages in 2 hours, does she read faster or slower than you?
- c. How many pages per hour do you read?
- d. If you maintain the same rate, how many pages can you read in 9 hours?

1. Rewrite 8.1% as decimal.
 2. You got 45 out of 48 points on a Math test. What percent did you get right?
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3. The following are recipes for competing brands of lemonade. Determine which lemonade is the most “Lemony”. Explain why!

Recipe Name: “Crusty Lemonade”

1 cup of concentrate
4 cups of water

Recipe Name: “GOATonade”

$\frac{3}{5}$ cup concentrate
1 cup water

Recipe Name: “Richest Citrus”

$\frac{1}{2}$ cup concentrate
2 cups water

Recipe Name: “Main Squeeze”

2 cups of concentrate
3 cups of water

EXIT TICKET –

Mr. Brust’s semester one Math 7 grades are as follows:

A’s = 8

B’s = 12

C’s = 6

D’s = 2

- a. What percent of Mr. Brust’s students got A’s for semester one?
- b. Mr Kelly has the exact same ratio of B’s to D’s. If Mr Kelly had 10 D’s for semester one, how many B’s did he have?