

Summer Work: 6th Grade - Math 6/Math 6 Enriched
Due: First math class of 6th grade



What You Need to Do:

1. Complete the Summer Math Packet

- Use a **separate sheet of paper**.
- **Show all work** to receive full credit.
- **Check your answers** at the end of the packet.

2. Complete 3 Delta Math Assignments

(Each assignment includes 20 problems)

- Fractions Review
- Decimals Review
- Mixed Skills Review

3. Continue to practice addition/subtraction/multiplication/division facts.

Knowing these will help you *tremendously* in middle school math!



This assignment will count as a graded completion assignment on your first quarter progress report.

Delta Math Login Instructions

1. Go to deltamath.com/students
2. Click the orange "Register" button
3. Enter the class code: DX89-MJ82
 - a. This will allow you to join the *Rising 6th Grade Summer Math* class on Delta Math
4. Log in with your Garrison Forest Gmail account
Press the option that says sign up with google
5. Press continue, then hit the [Create Account](#) button

Find the product:

1a. 556×87

1b. 95×7963

1c. 8781×64

What fraction is located at Point A on each number line?

2a.



2b.



2c.



Write each fraction in simplest form:

3a. $\frac{12}{30}$

3b. $\frac{33}{88}$

3c. $\frac{26}{39}$

What number could replace n?

4a. $\frac{1}{3} = \frac{2}{n}$

4b. $\frac{2}{10} = \frac{n}{100}$

4c. $\frac{n}{8} = \frac{15}{40}$

Order from least to greatest:

5a. $\frac{9}{10}$, $\frac{4}{5}$, $\frac{1}{2}$

5b. $\frac{1}{2}$, $\frac{5}{4}$, $\frac{7}{8}$

5c. $\frac{2}{3}$, $\frac{3}{8}$, $\frac{3}{4}$

Find the sum:

6a. $\frac{1}{4} + \frac{2}{3}$

6b. $\frac{3}{4} + \frac{5}{10}$

6c. $\frac{3}{8} + \frac{5}{6}$

Find the difference:

7a. $\frac{8}{5} - \frac{7}{10}$

7b. $\frac{9}{7} - \frac{1}{2}$

7c. $\frac{2}{3} - \frac{1}{4}$

Find the product:

8a. $\frac{2}{5} \times \frac{1}{6}$

8b. $\frac{4}{7} \times \frac{5}{9}$

8c. $\frac{5}{8} \times \frac{7}{8}$

9a. A group of 24 friends is making teams to play tag. Every player must be on a team, and each team must have the same number of players.

- If there is 1 team, there will be _____ players on the team.
- If there are _____ teams, there will be 12 players on each team.
- If there are 3 teams, there will be _____ players on each team.
- If there are _____ teams, there will be 6 players on each team.

9b. A rectangle has an area of 18 square centimeters. Which of the following could be the rectangle's length and width? (Area = length $\times$ width)

Choose all answers that apply:

- A. 3 cm and 6 cm
- B. 2 cm and 9 cm
- C. 6 cm and 12 cm
- D. 1 cm and 18 cm

9c. Grizzly has 75 flower seeds. She wants to plant the seeds in pots so that every seed is planted, and every pot has the same number of seeds.

- If there is _____ pot, there will be 75 seeds in the pot.
- If there are 3 pots, there will be _____ seeds in each pot.
- If there are _____ pots, there will be 15 seeds in each pot.

10a. Which of the following numbers is a multiple of 4?

46

14

22

32

10b. Which equation shows that 6 is a factor of 54?

- A. $54 = 6 + 48$
- B. $54 = 6 \times 9$
- C. $54 = 60 - 6$
- D. $324 = 54 \times 6$

10c. We know $4 \times 9 = 36$ so which of the following statements are also true? Choose all that apply.

- A. 36 is a multiple of 4
- B. 9 is a multiple of 36
- C. 9 is a factor of 36
- D. 36 is a factor of 9

Which of these numbers is prime?

11a. 18 41 45 77 93

11b. 15 45 63 73 88

11c. 13 30 49 65 87

Which of these numbers is composite?

12a. 5 17 19 59 63

12b. 4 7 23 29 41

12c. 2 5 29 43 57

Express as a fraction in simplest form:

13a. 0.5 **13b.** 0.42 **13c.** 0.29

Order from least to greatest:

14a. 0.33 4 0.09

14b. 0.89 0.255 5.23

14c. 1.101 0.113 1.001

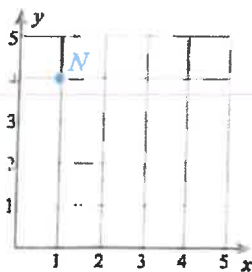
Compare using $>$, $<$ or $=$

15a. 9.4 ____ 19.04

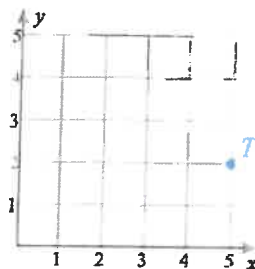
15b. 0.08 ____ 0.009

15c. 0.7 ____ 0.70

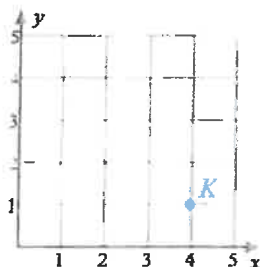
16a. What is the x-coordinate of the point plotted below:



16b. What is the y-coordinate of the point plotted below:



16c. What is the x-coordinate of the point plotted below:



17a. Round 543 to the nearest ten and the nearest hundred.

17b. Round 271 to the nearest ten and the nearest hundred.

17c. Which of the following numbers round to 60 if we are rounding to the nearest ten? Choose all answers that apply:

65

64

61

57

ANSWERS Remember that you should be showing your work when possible.

1a. 48,372 b. 756,485 c. 561,984 2a. $\frac{2}{5}$ b. $\frac{9}{12}$ or $\frac{3}{4}$ c. $\frac{1}{8}$ 3a. $\frac{2}{5}$ b. $\frac{3}{8}$ c. $\frac{2}{3}$	7a. $\frac{9}{10}$ b. $\frac{11}{14}$ c. $\frac{5}{12}$ 8a. $\frac{2}{30}$ or $\frac{1}{15}$ b. $\frac{20}{63}$ c. $\frac{35}{64}$ 9a. 24, 2, 8, 4 b. A B and D c. 1, 25, 5	13a. $\frac{5}{10} = \frac{1}{2}$ b. $\frac{42}{100} = \frac{21}{50}$ c. $\frac{29}{100}$ 14a. 0.09, 0.33, 4 b. 0.255, 0.89, 5.23 c. 0.113, 1.001, 1.101 15a. < b. > c. =
4a. n = 6 b. n = 20 c. n = 3 5a. $\frac{1}{2}, \frac{4}{5}, \frac{9}{10}$ b. $\frac{1}{2}, \frac{7}{8}, \frac{5}{4}$ c. $\frac{3}{8}, \frac{2}{3}, \frac{3}{4}$ 6a. $\frac{11}{12}$ b. $\frac{5}{4}$ c. $\frac{29}{24}$	10a. 32 b. B c. A and C 11a. 41 b. 73 c. 13 12a. 63 b. 4 c. 57	16a. 1 b. 2 c. 4 17a. nearest 10 → 540 nearest 100 → 500 b. nearest 10 → 270 nearest 100 → 300 c. 64, 61 and 57