

St. Paul School
Summer 2018
Math Review & Practice Packet
for Students ENTERING 7th GRADE



Dear Students,

Over the summer it is common for students entering the seventh grade to forget some of the mathematics they have learned. For this reason, I have put together this review packet of practice materials. Completing this packet and practicing math over the summer will make the beginning of seventh grade math much easier. I strongly suggest that you space this work out over the summer; work on one page each week. Below are some additional guidelines:

- Work on one section of the packet each week.
- PENCIL ONLY!
- Show all work that cannot reasonably be done mentally; NO WORK NO CREDIT.
- Calculators should not be used.
- If you struggle with a problem just do your best and move on. Don't worry! This helps me identify the topics we need to review together in the fall.

This packet will be collected at the start of school and be counted as two assignment grades. In addition, students will take a quiz on this material to start the second week of the school year; the quiz will consist of identical problems from this packet.

Have a great summer!
Mrs. Drohan

P.S. I have also included a **PUZZLE PACKET**. The puzzles are perfect for taking on road trips or for rainy summer days. Feel free to work on these with your family and friends. Math is fun and it is always fun to puzzle things out with your friends. Enjoy!!

Assignment

Date _____ Period _____

Write the name of each decimal place indicated.

1) 3,295,128,089

2) 2,873,134,597

3) 0.73495

4) 660,941

5) 7,281

6) 75,995,277

Round each to the place indicated.

7) 1,873,091,182

8) 3,282,979.4

9) 924

10) 347,150.2

11) 9.85728

12) 46.3955623

Evaluate each expression.

13) $6.3 + 6.8$

14) $3.9 + 2.154$

15) $1 + 3.3$

16) $2.5 + 2.26$

Find each product.

17) $1.4 \cdot 0.7$

18) $0.2 \cdot 3.1$

19) $2.2 \cdot 1.2$

20) $1.9 \cdot 5.8$

Find each quotient.

21) $\frac{1.4}{0.2}$

22) $\frac{3.1}{2.5}$

23) $\frac{3.6}{9}$

24) $\frac{8.4}{0.5}$

Assignment

Date _____ Period _____

Evaluate each expression.

1) $\frac{11}{6} - \frac{3}{5}$

2) $1 + 4\frac{5}{7}$

3) $\frac{2}{3} + 3\frac{6}{7}$

4) $\frac{8}{7} + 4\frac{7}{8}$

Find each product.

5) $5\frac{5}{6} \cdot \frac{1}{8}$

6) $10\frac{7}{10} \cdot \frac{1}{3}$

7) $\frac{17}{9} \cdot \frac{1}{2}$

8) $3\frac{2}{3} \cdot \frac{13}{10}$

Find each quotient.

9) $\frac{2}{5} \div \frac{3}{8}$

10) $\frac{1}{2} \div \frac{1}{2}$

11) $\frac{1}{2} \div \frac{3}{7}$

12) $\frac{1}{2} \div \frac{11}{6}$

13) $\frac{16}{9} \div \frac{3}{2}$

14) $\frac{1}{2} \div \frac{8}{11}$

Week 2 continued

15. Jessica bought $\frac{8}{9}$ of a pound of chocolates and ate $\frac{1}{3}$ of a pound. How much was left?

16. St. Paul School purchased 5 gallons of orange paint to decorate several of its classrooms. If each classroom needs $\frac{1}{6}$ of a gallon of paint, then how many classrooms will get painted?

17. The track is $\frac{3}{5}$ of a mile long. If Patrick jogged around it twice, how far did he run?

18. On Friday night, Sam ate a pizza for dinner and had $\frac{2}{3}$ of the pizza left over. On Saturday, he ate $\frac{1}{2}$ of what was left. How much of the pizza did Sam eat on Saturday?

19. If a frog can move $\frac{1}{3}$ of a mile every hour, then how many hours will it take for a frog to travel 4 miles?

20. Dwight owns $\frac{1}{8}$ of an acre of farmland. He grows beets on $\frac{4}{5}$ of the land. On how many acres of land does Dwight grow beets?

Assignment

Date _____ Period _____

Each number is divisible by which of the following: 2, 3, 5, 6, 9, 10?

1) 113

2) 182

3) 198

4) 163

Find the GCF of each.

5) 12, 20

6) 24, 12

7) 35, 42

8) 10, 6

Find the LCM of each.

9) 48, 30

10) 28, 42

11) 45, 60

12) 10, 45

Week 3 continued

Greatest Common Factor ("GCF") and Least Common Multiple ("LCM") Problems:

13. Charlie is sending out Valentine's Day cards. If envelopes come in boxes of 25 and stamps come in packs of 10, what is the least number of stamps and envelopes he can buy to get one stamp for each envelope?

14. Mrs. Snell wants to divide the 24 boys and 30 girls in the 6th grade class into teams. She wants to make as many teams as she can but each team must have the same number of boys and the same number of girls. How many boys and how many girls will be on each team?

15. The different types of beads Jane is using to make necklaces come in packages of 3, 8 and 12. What is the least number of each kind of bead Jane can buy to have an equal number of each of the different kinds of beads?

16. Sam has swimming lessons every 3 days and guitar lessons every 7 days. If he has both lessons the first day of the month, when will he have both lessons on the same day again?

Assignment

Date _____ Period _____

Evaluate each expression.

1) $5 - (-4)$

2) $(-7) + (-6)$

3) $(-2) + 4$

4) $1 + (-8)$

5) $(-4) + (-11)$

6) $(-12) + 11$

7) $(-1) + 10$

8) $(-4) - (-2)$

9) $3 - (-8)$

10) $(-6) + 5$

11) $3^2 + 5 \times 2$

12) $12 \div 2 + 4 - 1$

13) $(3 - 1 + 5) \times 6$

14) $15 \div 3 \times 3 - 3$

15) $(6 - 1) \times 2 \times 2$

16) $4 \div (4 + 3 - 3)$

Week 5 (both sides)

Write an equivalent fraction with the given denominator. (Objective 3C)

1. $\frac{3}{4} = \frac{\square}{12}$ _____

2. $\frac{2}{3} = \frac{\square}{21}$ _____

3. $\frac{5}{8} = \frac{\square}{48}$ _____

4. $\frac{11}{12} = \frac{\square}{36}$ _____

5. $\frac{4}{5} = \frac{\square}{45}$ _____

6. $\frac{6}{7} = \frac{\square}{28}$ _____

7. $\frac{7}{10} = \frac{\square}{450}$ _____

8. $\frac{12}{15} = \frac{\square}{90}$ _____

Write each fraction in its simplest form. (Objective 3C)

9. $\frac{15}{24}$ _____

10. $\frac{28}{35}$ _____

11. $\frac{28}{32}$ _____

12. $\frac{18}{21}$ _____

13. $\frac{12}{30}$ _____

14. $\frac{25}{40}$ _____

15. $\frac{24}{40}$ _____

16. $\frac{16}{100}$ _____

Write $>$, $<$, or $=$ for each. (Objective 3D)

17. $\frac{5}{8} \bigcirc \frac{3}{4}$

18. $\frac{1}{2} \bigcirc \frac{2}{3}$

19. $3\frac{2}{5} \bigcirc 3\frac{1}{4}$

20. $\frac{7}{8} \bigcirc \frac{9}{10}$

21. $\frac{3}{5} \bigcirc \frac{2}{3}$

22. $2\frac{3}{7} \bigcirc 2\frac{1}{3}$

23. $\frac{5}{6} \bigcirc \frac{5}{7}$

24. $\frac{8}{12} \bigcirc \frac{28}{42}$

25. $5\frac{7}{9} \bigcirc 5\frac{4}{5}$

26. $8\frac{4}{5} \bigcirc 4\frac{5}{8}$

27. $\frac{5}{8} \bigcirc \frac{5}{9}$

28. $\frac{5}{8} \bigcirc \frac{5}{7}$

Write in order from least to greatest. (Objective 3D)

29. $\frac{4}{5}$ 0.77 $\frac{12}{20}$ _____

30. 5.4 5.38 $5\frac{1}{4}$ _____

31. 0.66 0.6 $\frac{2}{3}$ _____

32. $\frac{5}{8}$ 0.6 $\frac{4}{7}$ _____

33. $\frac{5}{6}$ $\frac{1}{4}$ $\frac{3}{8}$ _____

34. 0.16 $\frac{1}{5}$ $\frac{1}{10}$ _____

35. $\frac{3}{4}$ $\frac{3}{5}$ $\frac{3}{8}$ _____

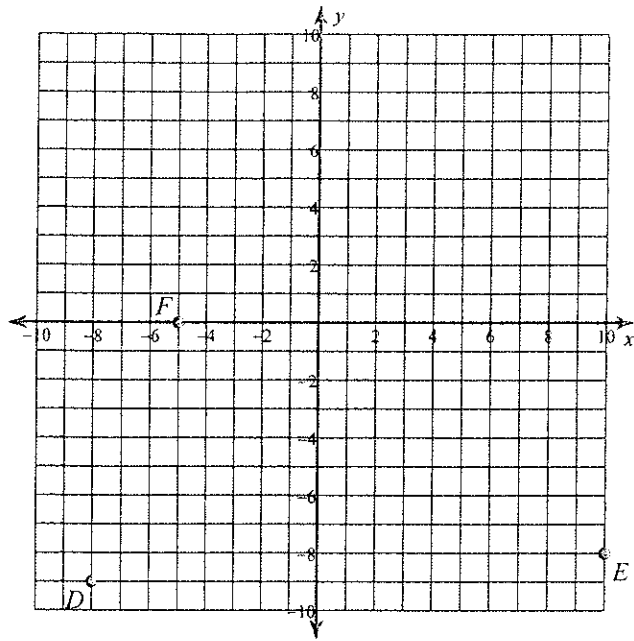
36. $\frac{1}{2}$ 0.7 $\frac{3}{4}$ _____

Assignment

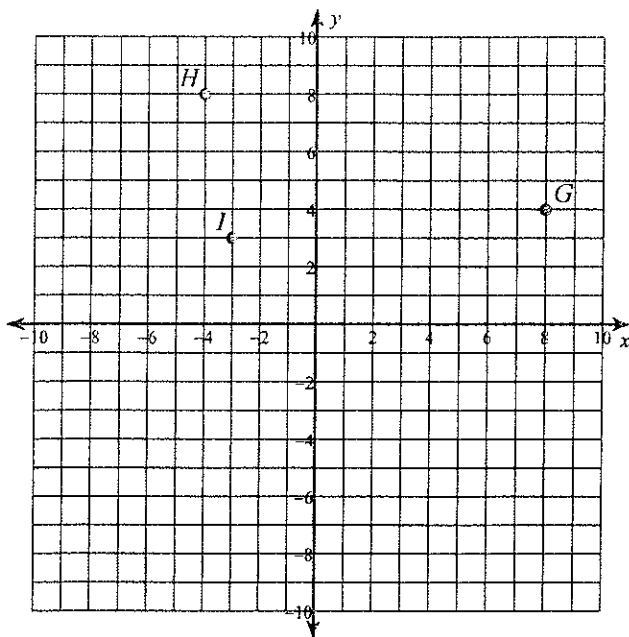
Date _____ Period _____

State the coordinates of each point.

1)



2)



Assignment

*Week 6
(both sides)*

Date _____ Period _____

Find each product.

1) $-7 \cdot 10$

2) $7 \cdot -8$

3) $6 \cdot -1$

4) $-5 \cdot -9$

5) $2 \cdot -3$

Find each quotient.

6) $\frac{14}{2}$

7) $\frac{-2}{2}$

8) $\frac{9}{3}$

9) $\frac{36}{6}$

10) $\frac{21}{-7}$

Evaluate each expression.

11) $((-12) \div 4) - (-5)$

12) $(1 - 5) \cdot (-2)$

13) $(-1) - (2 - (-4))$

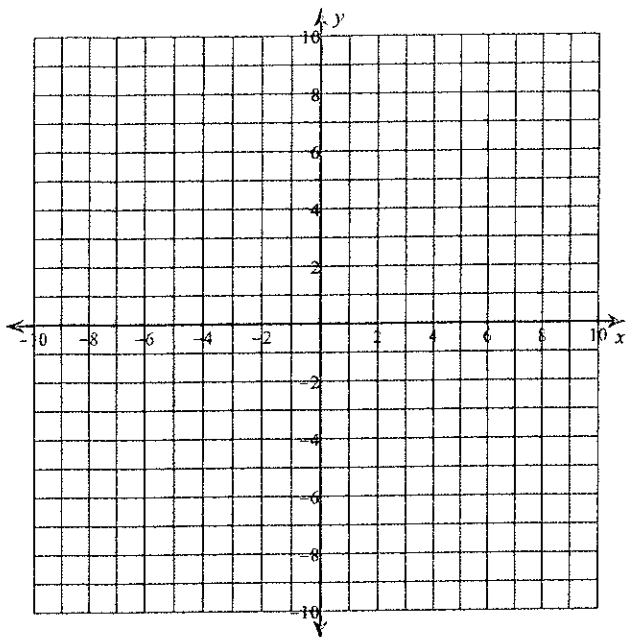
14) $6^2 - 1$

15) $(15 \cdot 2) \div (-5)$

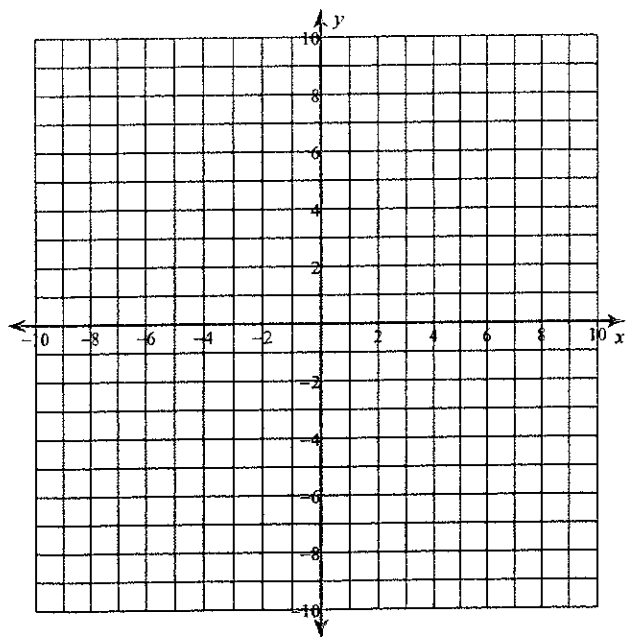
Assignment

Plot each point.

- 1) $D(-8, 4)$ $E(-6, -1)$ $F(10, -8)$



- 2) $E(10, -4)$ $F(-10, -6)$ $G(8, 9)$



Pre-Algebra *Week 7*
Assignment *(both sides)*

Name _____ ID: 1

Date _____ Period _____

Evaluate each expression.

1) $(-13) + (-9) - 15$

2) $(-14) + (-6) - (-13)$

3) $14 - (-3) - 9$

4) $(-14) - (-8) + (-1)$

5) $(-1) + 16 - 16$

Find each product.

6) $-5 \cdot 5 \cdot -2$

7) $-5 \cdot 6 \cdot 8$

8) $-4 \cdot 8 \cdot 0$

9) $-6 \cdot 7 \cdot 2$

10) $-2 \cdot 3 \cdot -7$

Find each quotient.

$$11) \frac{32}{-4}$$

$$12) \frac{56}{-7}$$

$$13) \frac{-80}{8}$$

$$14) \frac{12}{6}$$

$$15) \frac{-24}{6}$$

Evaluate each expression.

$$16) \frac{6 \times 2}{(-6) + 10}$$

$$17) (-10) - 2((-8) - 10)$$

$$18) \frac{(-2) \times 2 - 3}{-7}$$

$$19) \frac{12}{(-3) + 3 - 3}$$

$$20) 9 - 1 - (-5) \times 6$$