Summer Math Review Packet for students entering 7th grade

The problems in this packet should help you review math topics from this past school year.

Basic Instructions:

- All problems should be completed without a calculator.
- Expect to turn in the completed packet to your math teacher on September 9, 2024.
- You may do work on this paper. If you choose to use other paper, please staple it onto this packet. Please show all your work.
- This packet will be counted as a test grade for the first marking period.

Remember: This is for your benefit to help you be more successful as you move into more advanced mathematics classes.
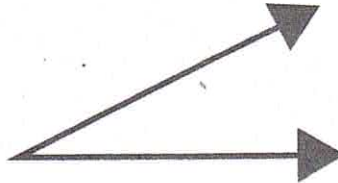
Lesson #71

1. $67 \times 24 = ?$

2. How many cups are in 7 pints?

3. Define *congruent*.

4. Classify the angle by type.

5. $12\frac{1}{6} - 10\frac{5}{6} = ?$

6. The top number in a fraction is the _____.

7. From January 1st to June 1st is how many months?

8. Put $\dfrac{10}{12}$ in simplest form.

9. $314 - 188 = ?$

10. $1\frac{1}{2} \times 2\frac{2}{3} = ?$

11. $\dfrac{5}{6} \div \dfrac{5}{3} = ?$

12. Karen's ballet class begins at 4:00 p.m. She needs 10 min. to walk to the bus stop, 21 min. for the ride and 4 min. to walk to class. What time should she leave home so she gets to class on time?

13. $478{,}903 + 551{,}266 = ?$

14. $\dfrac{5}{6} = \dfrac{25}{?}$

15. $47 + \underline{} = 96$

16. How many millimeters are in 9 meters?
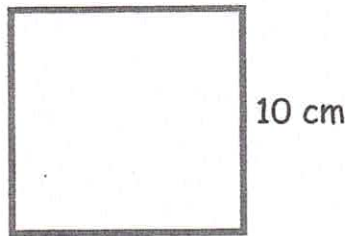
17. Draw a ray.

18. $684 \div 24 = ?$

19. Write 12.46 using words.

20. Order these decimals from greatest to least.   7.15   7.015   7.51   7.051
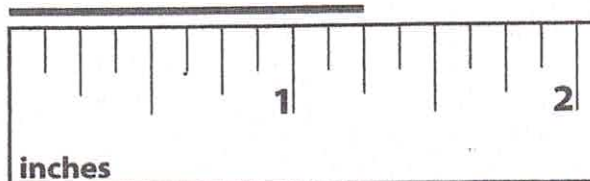
Lesson #72

1. Write $\dfrac{23}{7}$ as a mixed number.

2. $705 \div 25 = ?$

3. Two figures having the same shape, but different sizes are _____.

4. $515 - 266 = ?$

5. How many teaspoons are in 9 tablespoons?

6. $89 + 53 + 77 = ?$

7. On the Fahrenheit temperature scale, water freezes at _____.

8. What time was it 4 hours and 5 minutes ago, if it is 1:15 now?

9. Find the LCM of 9 and 15.

10. $\dfrac{7}{9} \bigcirc \dfrac{9}{10}$

11. Find the area of the square.

                                             10 cm

12. $5\dfrac{2}{5} + 6\dfrac{2}{3} = ?$

13. $9.4 - 6.88 = ?$

14. Find the mode of 44, 67, 29, 91, and 67.

15. Make a factor tree for 40.

16. $93 \times 35 = ?$

17. List the factors of 18.

18. Book Basement is selling every book for half price. Fran wants to buy four books that were originally priced at $12.50, $16, $14.30, and $10.44. What will be Fran's total?

19. Which digit is in the thousands place in 65,348,912?
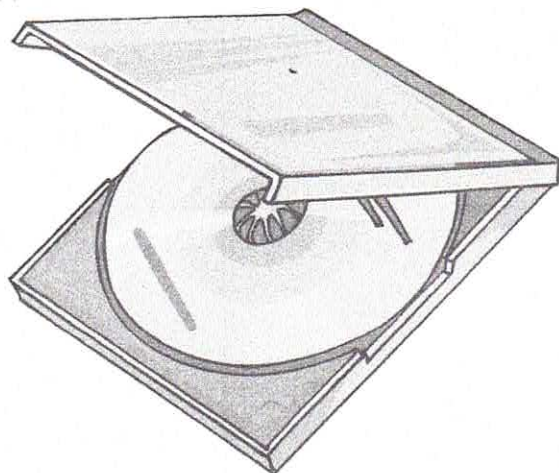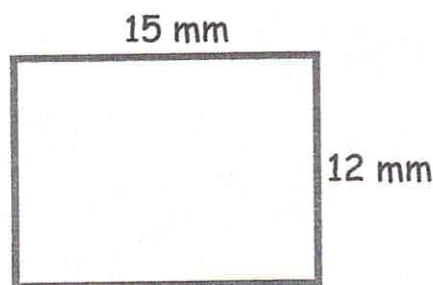
20. Sixty years are _____ decades.

Lesson #73

1. $832 + 977 = ?$

2. Find the LCM of 12 and 18.

3. Put $\dfrac{18}{24}$ in simplest form.

4. Which factors of 14 are also factors of 28?

5. $\dfrac{5}{8} = \dfrac{25}{?}$

6. Draw two similar triangles.

7. $36.7 + 23.4 = ?$

8. Which digit is in the hundredths place in 42.67?

9. Round 6.37 to the nearest tenth.

10. Write $\dfrac{12}{5}$ as a mixed number.

11. Rename $7\dfrac{3}{4}$ as an improper fraction.

12. How many inches are in 4 feet?

13. $\dfrac{7}{9} \bigcirc \dfrac{9}{10}$

14. Mr. Richards has twice as many clients as Mr. Harris. Mr. Harris has 10 fewer clients than Mrs. Jones. If Mrs. Jones has 35 clients, what is the total number of clients of all three of them?

15. $3\dfrac{1}{3} + 4\dfrac{1}{4} = ?$

16. $\dfrac{15}{20} \times \dfrac{4}{5} = ?$

17. $\dfrac{6}{10} \div \dfrac{2}{10} = ?$

18. Define *median*.

19. $600 \times 70 = ?$

20. Measure the length.

Lesson #74

1. Round 56.32 to the nearest tenth.

2. $6,000 - 2,347 = ?$

3. Find the range of 55, 59, 60, 59, and 57.

4. Find the mode of the set of numbers in item 3.

5. $53,475 + 27,986 = ?$

6. $775 \times 8 = ?$

7. Round 36.5 to the nearest whole number.

8. $3.1 \times 0.5 = ?$

9. What is the area of the rectangle?

10. $794 \div 5 = ?$

11. If Amy bought 2 CDs for $14.00 each, a DVD for $24.99, and a video game for $37.50, how much change would she get back from a $100 bill?

12. Find the GCF of 10 and 12.

13. $8\dfrac{1}{5} \div 6\dfrac{4}{5} = ?$

14. Which is greater, 200 minutes or 3 hours?

15. Write 16.7 in words.

16. Rename $\dfrac{15}{4}$ as a mixed number.

17. $\$50.00 - \$36.15 = ?$

18. $8,000 \times 7 = ?$

19. Find the mean of 64, 73, 59, and 76.

20. $\dfrac{6}{7} \bigcirc \dfrac{2}{3}$

Lesson #75

1. $969 \div 8 = ?$

2. **A *ratio* is a comparison of two numbers. A ratio can be written in 3 forms: word form, fraction form, or ratio form.**

   Write the three ratio forms *2:7, 2 to 7,* $\frac{2}{7}$ in the box.

3. Find the LCM of 8 and 10.

4. $\dfrac{3}{6} = \dfrac{?}{18}$

5. Rename $3\frac{1}{3}$ as an improper fraction.

6. $0.08 \times 0.05 = ?$

7. The answer to a division problem is the _____.

8. $1\dfrac{1}{3} \times 2\dfrac{1}{10} = ?$

9. Is the figure to the right a polygon? Explain.

10. Is 42 a prime or a composite number?

11. List the factors of 36.

12. $\dfrac{12}{15} \times \dfrac{5}{6} = ?$

13. Put $\dfrac{12}{24}$ in simplest form.

14. $5\dfrac{3}{8} - 1\dfrac{5}{12} = ?$

15. In the fraction $\dfrac{5}{6}$, which number is in the denominator?

16. Round 7.456 to the nearest hundredth.

17. How many milliliters are in a liter?

18. How many centimeters are in 4 meters?

19. On the Celsius scale, water freezes at _____.

20. $3 \times 6 + 18 = ?$

1.	2.	3.	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.
17.	18.	19.	20.