



Summer Math Packet For Students Placed in Math 7 Course 2

Dear Students and Parents,

Attached is a Math packet of worksheets for your child to complete over the summer vacation. These cumulative review worksheets are designed to reinforce skills your child has learned during the past school year. This additional practice will help your child master and retain these skills over the summer to be well prepared to handle the Math curriculum in the next grade.

Please encourage your child to work on the Math packet each week. If he/she completes ten problems at a time it will not be an overwhelming task. We suggest that a short period of time be set aside on a regular basis (daily/ weekly) throughout the summer to complete several problems. Waiting until the last week of summer vacation will defeat the purpose of regular Math practice and increase the chance of careless mistakes rushing through the problems. We would also recommend that your child save this year's Math notebook and workbook to use as a reference over the summer.

Students should use a pencil and show their calculations on separate pieces of loose-leaf paper. This work should be numbered and organized neatly on the page, and then stapled to the completed packet. Computation should not be squeezed into the small spaces of the Math packet. Some problems are more difficult and will be taught in more depth in the fall.

The Math packet (with loose-leaf paper showing work) will be collected and checked during **the first week back to school in August**. A grade will be assigned based on your child's completed assignment, actual calculations, and effort.

Please make sure your child knows their math multiplication and division facts to at least 12 and memorizes the divisibility rules attached to their Math packet.

Thank you in advance for your cooperation in this matter. Do your best! Enjoy your summer!

Sincerely,

Middle School Math Teachers
Grades 6-8

UNIT
4

Name _____ Date _____

Cumulative Test

For use after Chapters 1-13

For students placed in
Math 7 Course 2

Estimate the sum, difference, product, or quotient.

1. 73×48

2. $871 \div 32$

Evaluate the expression when $x = 6$.

3. $\frac{22 - x}{2^2}$

solve the equation using mental math.

4. $x \div 12 = 5$

5. A rectangle has an area of 104 square centimeters. The width is 8 centimeters. What is the length of the rectangle?

Round the decimal as specified.

6. . 71.268 (nearest tenth)

7. Find the median of the data:

12, 13, 21, 15, 12, 16, 13, 11, 12, 15

8. Write the number twenty-six and seventy-one thousandths as a decimal.

Order the numbers from least to greatest.

9. 7.1, 7.05, 7.91, 7.125, 7.065

Find the sum or difference.

10. $17.916 + 6.8$

11. $69.59 - 55.83$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

Cumulative Test

For use after Chapters 1-13

Find the product or quotient.

12. 1.9×7.2

13. 62.4×0.01

14. $101.47 \div 3.65$

15. Find the GCF of 27 and 36.

In Exercises 16 + 17, complete the statement with $<$, $>$, or $=$.

16. 176 cm ? 1.76 m

17. 2.7 kg ? 1976 g

Write the decimal as a fraction or mixed number in simplest form.

18. 3.05

19. 1.12

20. 0.08

21. Estimate the difference of $4\frac{1}{8} - 2\frac{8}{9}$.

Find the sum or difference. Simplify!

22. $\frac{2}{5} + \frac{7}{20}$

23. $9\frac{1}{3} + 4\frac{1}{9}$

24. $13 - 5\frac{7}{10}$

25. $8\frac{9}{16} - 5\frac{5}{8}$

26. A student's time running a mile is 5 minutes 14 seconds. Another student runs a mile in 6 minutes 7 seconds. How much faster is the first student?

Find the product or quotient.

27. $1\frac{1}{5} \times 1\frac{1}{3}$

28. $\frac{7}{8} \times \frac{4}{15}$

29. $\frac{9}{11} \div \frac{3}{5}$

30. $2\frac{1}{6} \div 3\frac{5}{7}$

31. $\frac{1}{4} \div 7$

Change the measurement to the specified unit.

32. $6\frac{1}{2}$ cups to pints

33. 75 inches to yards

Solve the proportion.

34. $\frac{w}{39} = \frac{8}{24}$

35. $\frac{9}{x} = \frac{36}{60}$

- 12. _____
- 13. _____
- 14. _____
- 15. _____
- 16. _____
- 17. _____
- 18. _____
- 19. _____
- 20. _____
- 21. _____
- 22. _____
- 23. _____
- 24. _____
- 25. _____
- 26. _____
- 27. _____
- 28. _____
- 29. _____
- 30. _____
- 31. _____
- 32. _____
- 33. _____
- 34. _____
- 35. _____

Cumulative Test

For use after Chapters 1-13

36. What is 24% of 60?

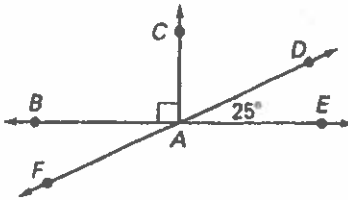
Use the diagram at the right.

37. Name a pair of complementary angles.

38. Name an obtuse angle.

39. Name a pair of vertical angles.

40. Find the measure of $\angle DAC$.

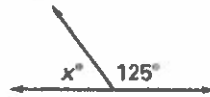


Find the value of x .

41.

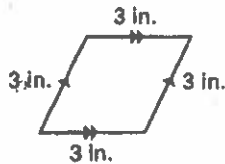


42.

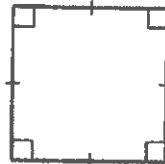


In Exercises #43-44, classify the quadrilateral.

43.



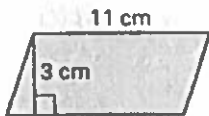
44.



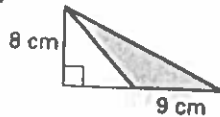
45. $\triangle XYZ$ and $\triangle MNP$ are congruent. List their corresponding sides.

Find the area of the figure.

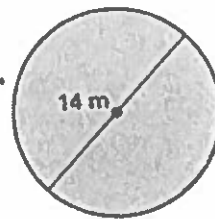
46.



47.



48.



49. Find the circumference of a circle whose radius is 9 inches.
Use $\pi = 3.14$.

50. Find the volume of a rectangular prism that measures 2 feet by 5 feet by 3 feet.

Answers

- 36. _____
- 37. _____
- 38. _____
- 39. _____
- 40. _____
- 41. _____
- 42. _____
- 43. _____
- 44. _____
- 45. _____
- 46. _____
- 47. _____
- 48. _____
- 49. _____
- 50. _____

Multiplication Chart

X	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Divisibility Rules

Divisible by?	The rule!
2	Last digit is 0,2,4,6,8
3	Sum of digits can be divided evenly by 3
4	The last two digits can be divided evenly by 4
5	The last digit is 0 or 5
6	Both rules for 2 and 3
8	The last three digits can be divided by 8
9	The sum of the digits can be divided by 9
10	The last digit is 0