

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, so as to be well prepared to handle the Math curriculum in the next grade.

Please encourage your child to work on this 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 from 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. He/she may also consult the textbook's website for tutorials and learning support at www.classzone.com.

The student should use a pencil and show the 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 on the Math packet. Some problems are more difficult and will be taught in more depth in the fall.

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

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

Sincerely,

Middle school math teachers
Grades 6-8

Cumulative Test

For use after Chapters 1-13

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 mean, median, and mode 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. _____

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. $176 \text{ cm} \quad ? \quad 1.76 \text{ m}$

17. $2.7 \text{ kg} \quad ? \quad 1976 \text{ mg}$

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?

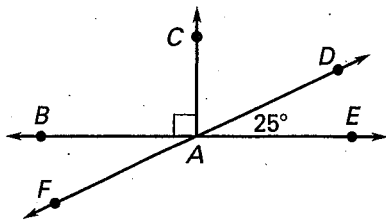
Use the diagram at the right.

37. Name a pair of complementary angles.

38. Name an obtuse angle.

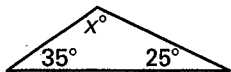
39. Name a pair of vertical angles.

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

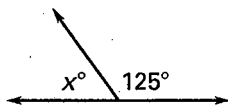


Find the value of x .

41.

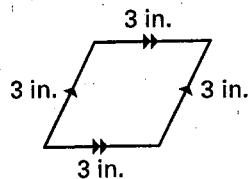


42.

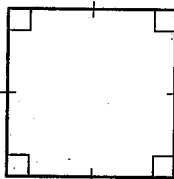


In Exercises #3-44, classify the quadrilateral.

43.



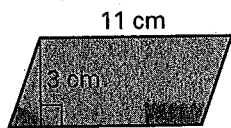
44.



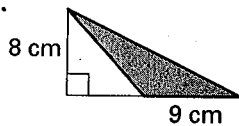
45. $\triangle XYZ$ and $\triangle MNP$ are congruent. List their corresponding sides.

Find the area of the figure.

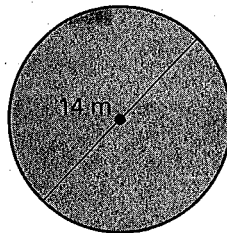
46.



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. _____