

Summer Math Requirements

During the relaxing and fun days of summer, our hope is for the students to keep their academic skills sharp for when they return in the fall. For math, students will need to login to www.ixl.com to complete the assignments. Most login id's are the students' first initial and last name followed by @inc. Passwords are the number code they have on their ID badge. Teachers receive weekly reports showing who has and has not completed the work so students do not need to do anything to document that they did the work. The report will automatically show who has completed the work, when the work was completed, what work was completed, and how the student performed.

Complete the following sections with a score of **90** by June 30th:

U.5 – Objects on a coordinate plane

D.11 – Division with 2-3 digit numbers by 2 digit numbers

O.5 – Add, subtract, multiply and divide with decimals

Complete the following sections with a score of **90** by July 31st:

K.6 – Convert between improper fractions and mixed numbers

J.4 – Division with decimal quotients and rounding

I.4 – Multiply a decimal by a multi-digit whole number

Complete the math packet and turn into your sixth grade math teacher by August 30th.

Students are more than welcome (and highly encouraged) to complete more sections than the sections required on the list. Additional books with summer review are also available at most book stores and United Art and Education that provide summer “bridging” work for each grade level. These are another good resource for students.

Happy Math and Happy Summer!

Name _____
Date _____
Score _____

Summer Math Packet – Due By August 30th
Incoming Sixth Graders

Write the value of the underlined digit.

1. $\underline{3}5,791$ _____

Round to the nearest thousand.

2. $256,827$ _____

Add or subtract.

3. $\begin{array}{r} 72,618 \\ + 6,755 \\ \hline \end{array}$

4. $\begin{array}{r} 532,518 \\ - 46,832 \\ \hline \end{array}$

Round to the digit underlined. Add or subtract.

5. $\begin{array}{r} \underline{7},526 \\ - 3,764 \\ \hline \end{array}$

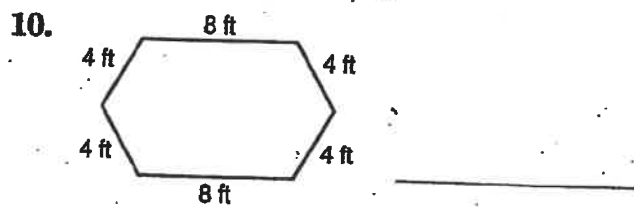
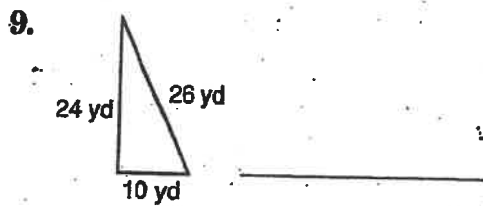
6. $\begin{array}{r} \underline{5}61 \\ + 248 \\ \hline \end{array}$

Add or subtract.

7. $\begin{array}{r} 2 \text{ yd } 2 \text{ ft } 8 \text{ in.} \\ + 1 \text{ ft } 7 \text{ in.} \\ \hline \end{array}$

8. $4 \text{ mi} - 2 \text{ mi } 200 \text{ ft} =$ _____

Find the perimeter.



Multiply.

11. $\begin{array}{r} \$8.15 \\ \times 6 \\ \hline \end{array}$

12. $\begin{array}{r} 7,148 \\ \times 75 \\ \hline \end{array}$

13. $\$26.35 \times 12 =$ _____

Divide.

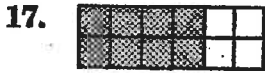
14. $7 \overline{)581}$

15. $83 \overline{)496}$

Estimate the quotient.

16. $6 \overline{)4,109}$

Write two equivalent fractions for the part that is shaded.



Compare. Write $>$, $<$, or $=$.

19. $\frac{9}{21}$ _____ $\frac{4}{7}$

Add or subtract. Write answers in lowest terms.

20.
$$\begin{array}{r} \frac{9}{10} \\ - \frac{3}{5} \\ \hline \end{array}$$

21. $6\frac{1}{2} + 2\frac{5}{12} =$ _____

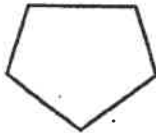
Multiply. Write answers in lowest terms.

22. $\frac{3}{10} \times \frac{5}{9} =$ _____

23. $6 \times \frac{2}{3} =$ _____

Name the polygon.

24.

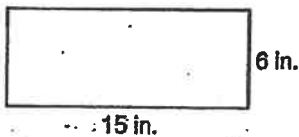


25.



Find the area.

26.



Write as a decimal.

27. fourteen and five tenths _____

Write in word form.

28. 0.007 _____

Write $>$, $<$, or $=$.

29. 3.76 _____ 3.8

Round to the nearest whole number.

Estimate the sum or difference.

30.
$$\begin{array}{r} 7.6 \\ -3.1 \\ \hline \end{array}$$

31.
$$\begin{array}{r} 23.88 \\ 6.49 \\ +10.37 \\ \hline \end{array}$$

Add or subtract.

32. 54.9 33. $6.004 - 1.365 =$ _____
+26.37

Multiply.

34.
$$\begin{array}{r} 7.12 \\ \times 3.8 \\ \hline \end{array}$$

35.
$$\begin{array}{r} 56.3 \\ \times 7 \\ \hline \end{array}$$

Divide.

36. $6 \overline{)729.6}$ 37. $8.5 \div 4 =$ _____

Write as a fraction in lowest terms.

38. 0.56 _____

Write as a decimal.

39. $6\frac{3}{20}$ _____

Write as a fraction in lowest terms.

40. 50% _____

Write as a percent.

41. $\frac{52}{100}$ _____

Find the average.

42. \$6.65, \$5.25, \$6.50, \$5.60

A bag contains 8 yellow marbles, 6 blue marbles, 4 red marbles, and 2 white marbles. A marble is replaced after each draw.

43. What is the probability of drawing a blue marble? _____

Name the space figure.

44.



Find the volume of the rectangular prism.

45. length (l) = 6 ft
width (w) = 7 ft
height (h) = 4 ft

Solve.

46. The fifth graders at Westwood Elementary School listed their favorite color. One hundred nine chose red, 84 chose blue, and 67 chose green. How many students listed a favorite color?
47. Les wants to attend a play which starts at 1:30 P.M. The play lasts 2 h 45 min. When will the play end?
48. Claudia got on the elevator at the fourth floor. She went up 7 floors, up 4 floors, down 5 floors, up 3 floors, and down 6 floors. Where did she end up?
49. Arthur opened a catalog to the bicycle he wants to order. The sum of the page numbers is 85. What pages were they?
50. In a random sample, 151 students out of 200 wanted more after-school sports. If there are 600 students in the school, estimate the number who would choose to have more after-school sports.