

LCES 5th Grade Math Summer Review problems to "keep it fresh".

Work them out neatly on lined notebook paper. Answer key available on my blog.

- $4 \times 5 + (3 \times 5 + 1)$ Which shows the equation after the first step?
a. $20 + (15 + 1)$ **b.** $4 \times 5 + (15 + 1)$ c. $20 + (3 \times 5 + 1)$ d. $4 \times 5 + 9$
- Simplify the following: $18 \div 6 + 3(7 - 4 + 9) =$ 39
- Simplify the following: $24 \div 6 - 3 + 4 \times 8 =$ 33
- David ran $1\frac{3}{8}$ miles on Friday, $\frac{7}{8}$ miles on Saturday, and $1\frac{2}{8}$ on Sunday. What is the total distance David ran those three days? Answer $3\frac{1}{2}$ total miles
- George played for $5\frac{1}{4}$ hours on Monday and $\frac{3}{4}$ hours on Tuesday. What is the difference in the length of time he played those two days? Answer $4\frac{1}{2}$ hours
- Susie's Sandwich shop packaged 1,916 sandwiches. They packaged 8 sandwiches in each carton. How many full cartons did they package? Answer 239 Full cartons
- Hammers are sold for \$24 each at ABC hardware and \$34 each at XYZ Hardware. Henry needs to buy 9 hammers for his construction crew. What is the total amount of money he will save if he buys them at store ABC rather than store XYZ? Answer \$90 saved
- Mary has 6 bags of thumbtacks each with 149 thumbtacks. If these thumbtacks are shared with three classes, what is the greatest number of thumbtacks each class could receive? Answer 298 tacks
- Tammy took 76 picture frames to the fair to sell at her arts and crafts stand. 24 picture frames were left after the fair. Each frame was sold for \$25 (including tax). How much money did she make selling her picture frames? Answer \$1,300
- I am a confused triangle with one 87° angle and one 43° angle. What is the measure of my missing angle **AND** what kind of triangle am I?
Missing angle is 50° degrees Type of angle is Acute Triangle
- Describe the difference between a square and a rectangle.
Square has 4 congruent sides but a rectangle only has to have 4 right angles.

12. Describe the difference between a rectangle and a parallelogram. *Rectangle has 4 right angles but a parallelogram only has opposite angles congruent.*

Answer _____

13. What is the perimeter of a rectangle that is 72 feet long and 34 feet wide?

Answer 212 ft

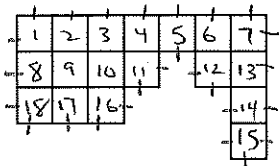
14. What is the area a kitchen counter that is 19 feet long and 4 feet wide?

Answer 76 ft²

15. What is the volume of a carton that is 12 in. long, 8 in. wide, and 7 in. high?

Answer 672 in³

16. What is the area **AND** perimeter of the figure below? $\square = 1$ square cm



Area = 18 cm²

Perimeter = 26 cm

17. David swam 0.74 miles today. He swam 5.2 times as far yesterday. What is the total distance he swam yesterday rounded to the nearest mile? To the nearest tenth? To the nearest hundredth?

Nearest Mile 4 mi Nearest tenth mile 3.8 mi Nearest hundredth mile 3.85 mi

18. Place the following in order from least to greatest: $\frac{1}{4}$, $\frac{3}{5}$, 0.643, 0.24, $\frac{3}{8}$

Answer 0.24, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{3}{5}$, 0.643

19. Which of the following is a true statement? Circle all that apply.

- a. $0.23 > 0.203$ *True* b. $0.599 < 0.543$ *False* c. $0.73 > 0.709$ *True* d. $0.99 > 1$ *False*

20. Which of the following has an even product?

- a. $239 \times 45 = 10,755$ *odd* b. $427 \times 25 = 10,675$ *odd* c. $913 \times 7 = 6,391$ *odd* d. $734 \times 36 = 26,424$ *Even*

21. Circle the sets that have only prime numbers. Use the divisibility rules.

- a. ~~7, 17, 37, 62, 73, 87~~ *(62 is div. by 2, 87 is div. by 3)*
 b. ~~3, 4, 37, 78, 87, 97~~ *(4 and 78 are div. by 2, 87 is div. by 3)*
 c. 5, 11, 23, 47, 61, 79
 d. 7, 13, 29, 41, 59, 83

22. Circle all of the composite numbers below:

- a. 35 *Div. by 5* b. 53 c. 69 *Div. by 3* d. 79 e. 97 f. 2 g. 49 *Div. by 7* h. 84 *Div. by 2*

23. Create a stem and leaf plot for the following quiz grades in Mr. Sparico's math class.

~~76, 69, 98, 87, 87, 79, 79, 88, 79, 73, 86, 99, 94, 95, 75, 68, 77, 79~~

24. What is the mode using the data from question 23? Answer 79

25. What is the range of the quiz grades in question 23? Answer 31

26. What is the median quiz grade in question 23? Answer 79

27. Find the mean using this set of data (8, 12, 32, 7, 13, 15, 4)? Check with a calculator!!

Answer 13

28. A circle has a diameter of 36 inches. What is the length of its radius?

Answer 18 in

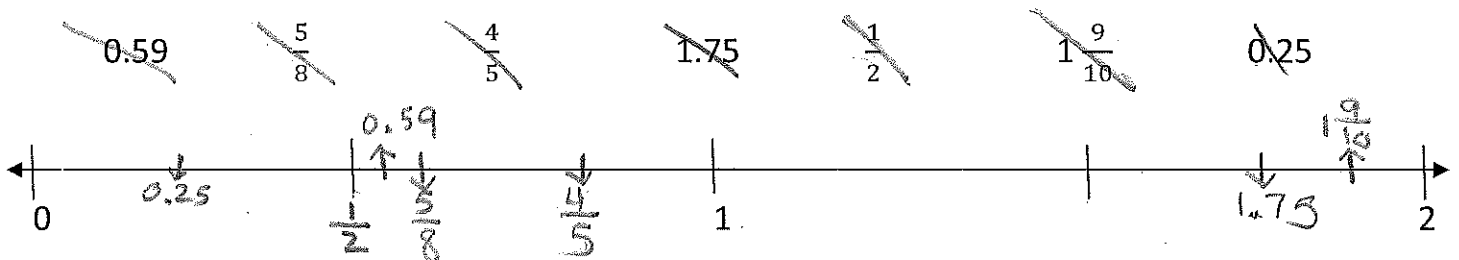
29. What is the area of a triangle with a base of 15 yards and a height of 6 yards?

Answer 45 yd²

30. What are the next 3 numbers in the pattern **AND** what is the rule?

3, 12, 48, 192, 768, 3072 The rule is Multiply by 4

31. Place the following fractions and decimals in the correct location on the number line.



32. Complete the place value chart below using statements below:

4, 6 0 3 . 2 5 7 1

Write a 3 in the ones place.

Write a 7 in the thousandths place

Write a 6 in the hundreds place

Write a 0 in the tens place

Write a 2 in the tenths place

Write a 5 in the hundredths place

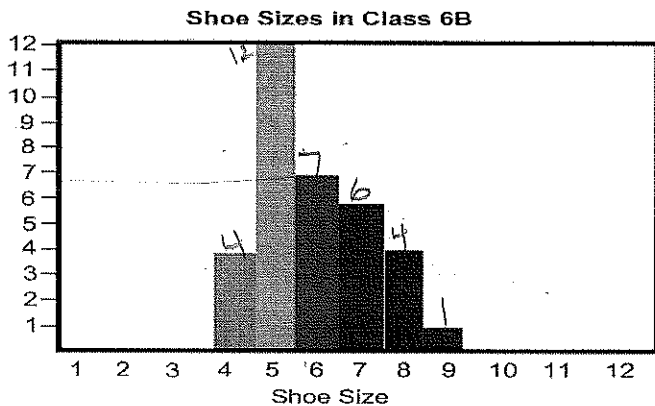
Write a 4 thousands place

Write a 1 in the ten thousandths place

33. Write the number you created in word form Four thousand Six hundred

three and Two thousand Five Hundred Seventy one
Ten thousandths.

34. I am a 146° angle. What kind of angle am I? obtuse
35. I am a 23° angle. What kind of angle am I? Acute
36. I am a 180° angle. What kind of angle am I? Straight
37. I am a triangle with three congruent length sides. I am a Equilateral triangle.
38. I am a triangle with exactly two congruent length sides. I am a Isosceles triangle.
39. I am a triangle with no congruent length sides. I am a Scalene triangle.
40. If you left for vacation at 7:36 a.m. and arrived at your hotel at 5:49 p.m., how long was your trip? 10h 13min



41. How many students in class 6B wear a shoe size larger than a size 4?
 Answer 30 $12 + 7 + 6 + 4 + 1$
42. How many students are in class 6B?
 Answer 34 $4 + 12 + 7 + 6 + 4 + 1$
43. How many students in class 6B wear a shoe size smaller than a size 7?
 Answer 23 $4 + 12 + 7$
44. Create a tree diagram showing all of the sandwich combinations you can make with 3 bread choices, 4 meat choices, and 3 cheese choices. 36 comb's

Get online with permission and practice at home or go to the library!

<http://www.doe.virginia.gov/>

www.solpass.org, www.studjams.org, www.mathplayground.com, www.mathlanding.org