MPCS MIDDLE SCHOOL - RISING SIXTH GRADE SUMMER MATH

Summer Math Packet

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MATH FACTS PRACTICE:

All rising sixth grade students are asked to practice their math facts for 20 minutes per week. You can divide the practice time into two 10-minute practice sessions or one 20-minute session. These sessions can include flash cards, mobile apps, or timed drills from www.math-drills.com. LOG your math sessions on the next page after each session. At the end of the summer, students should have *at least* 160 minutes recorded on their log sheet.

SUMMER MATH PACKET:

In addition to the weekly facts practice, students should also complete the attached math packet. There are 10 different "weeks" to complete. These can be done as you choose. If you have forgotten how to do something, feel free to use the internet as your resource and find a video or explanation.

This packet will be due when we return to school in August.

SHOW ALL WORK!

MATH FACTS PRACTICE LOG

Date	Type of Practice (flash cards, mobile apps, drills)	Number of Minutes	Parent Initial

Total Minutes: _____ / 160

Math Packet Recording Sheet

Record all answers here for easy checking!
Still make sure to show all of your work!

1.	2.	3.	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.
17.	18.	19.	20.
21.	22.	23.	24.
25.	26.	27.	28.
29.	30.	31.	32.
33.	34.	35.	36.
37.	38.	39.	40.
41.	42.	43.	44.
45.	46.	47.	48.
49.	50.	51.	52.
53.	54.	55.	56.
57.	58.	59.	60.

*See if you can decipher the secret message! ;)

Summer Math Packet- Week 1

Always remember to SHOW ALL WORK!

1. 36 x 24 = I	4. What is the value of the underlined digit in the number 4, <u>7</u>86, 400? a. 70,000 b. 7,000 c. 7,000,000 d. 700,000 P
2. $\frac{1}{5} + \frac{3}{10} =$ T	5. Using Order of Operations, evaluate the expression. 2 + 8 ÷ (2 x 2) - 3 M
3. 14,245 ÷ 35 = S	6. $9.34 - $6.07 = O

Summer Math Packet- Week 2

Always remember to SHOW ALL WORK!

7. Mrs. Lovato bought a coffee mug for Mr. King for $6.78 and a Chick-fil-A biscuit for Mr. McCloud for $3.92. What is the total cost for both items? O	10. $\frac{4}{9}$ x 9 will be _____ 9. a. Equal to b. Greater than c. Less than d. Greater than or equal to
8. 5.35 x 6 = O	11. 4.578 + 9.32 = O
9. Mrs. Perez is building a fence around her rectangular garden. The width of her garden is 12 yards. The length of the garden is $1\frac{1}{3}$ times as long as it is wide. What is the length of the garden? a. 8 yards b. 12 yards c. 16 yards d. 24 yards	12. 176 ÷ 10 = I

Summer Math Packet- Week 3

Always remember to SHOW ALL WORK!

13. Mrs. Lovato is making pies to take to the bake sale. What rule relates to the number of pies and number of cups of sugar?

Pies	Cups of Sugar
1	1.5
2	3
3	4.5
4	6
5	7.5

a. Divide by 1.5

b. Add 1.5

c. Subtract 1.5

d. Multiply by 1.5

S

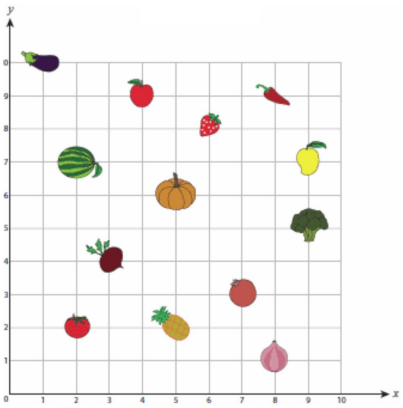
14. 145 x 16 =

M

15. $\frac{1}{3} + \frac{1}{4} =$

N

16. What is the ordered pair for the Pineapple?

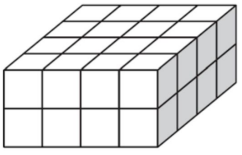


(____ , ____) N

17. Mrs. Perez has 10 pieces of pie that she wants to divide equally between 6 friends. How many pieces will each friend get?

O

18. What is the volume of this rectangular prism?



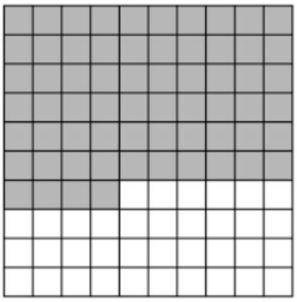
a. 8 units
b. 16 units
c. 32 units
d. 24 units

E

Summer Math Packet- Week 4

Always remember to SHOW ALL WORK!

19. What is the decimal shown by the shaded part?



a. 0.64

b. 64

c. 6.4

d. 640

20. 3.27 - 0.29 =

T

21. $5\frac{2}{5} - 2\frac{2}{10} =$

22. It costs Mr. King $0.38 every time he has a cup of coffee. If Mr. King drinks 6 cups of coffee, how much will it cost him?

E

23. Mr. McCloud bought 3 Chick-fil-A biscuits for a total of $9.84. What is the cost of one biscuit?

F

24. Use rounding to estimate.

3.04 + 9.89 + 2.9 =

a. 14

b. 15

c. 16

d. 17

S

Summer Math Packet- Week 5

Always remember to SHOW ALL WORK!

25. $\frac{1}{5}$ x 30 =

a. 5

b. 6

c. 150

d. 15

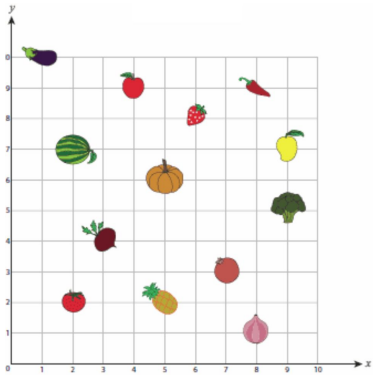
E

26. Evaluate the expression.

25 ÷ [(2 x 4) - (6 ÷ 2)]

T

27. Each unit is 1 foot. How far is the pineapple from the pumpkin?



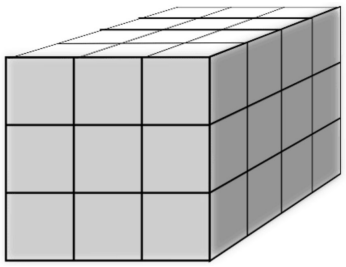
_____ feet

I

28. $4\frac{2}{3}$ x $1\frac{1}{7}$ =

!

29. What is the volume if the length of 1 cube is 1 foot?



a. 9 ft cubed

b. 12 ft cubed

c. 36 ft cubed

d. 48 ft cubed

X

30. Round 4.3554 to the hundredths place.

_____

Summer Math Packet- Week 6

Always remember to SHOW ALL WORK!

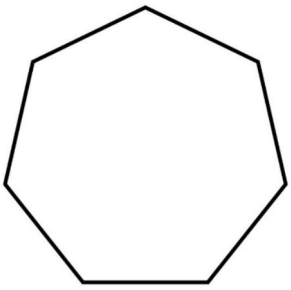
31. 1904 ÷ 5 =

a. 380
b. 380 R4
c. 360 R2
d. 380 R5

V

32. Ms. Watson's son received $30 for his birthday. He bought a new Bible for $24.97. How much money does he have left?

33. What polygon is shown?



a. hexagon
b. octagon
c. heptagon
d. nonagon

C

34. 0.07 x 0.3 =

a. 21
b. 0.21
c. 2.1
d. 0.021

Y

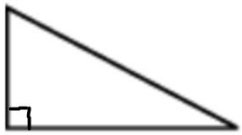
35. Name the place value to which the number was rounded.

0.4383 to 0.44

a. Hundreds
b. Tenths
c. Hundredths
d. Thousandths

E

36. How would you describe this triangle?



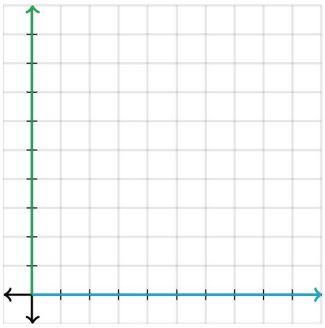
a. Isosceles and acute
b. Isosceles and right
c. Scalene and acute
d. Scalene and right

Summer Math Packet- Week 7

Always remember to SHOW ALL WORK!

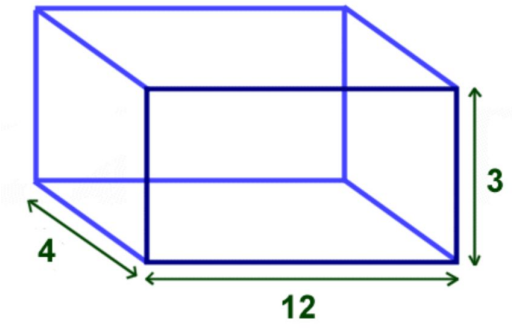
37. Connect these points in order on the coordinate grid: (2, 2) (2, 4) (2, 6) (2, 8) (4, 5) (6, 8) (6, 6) (6, 4) and (6, 2).

What letter is formed on the grid?



I

40. Find the volume of the rectangular prism.



V= lwh

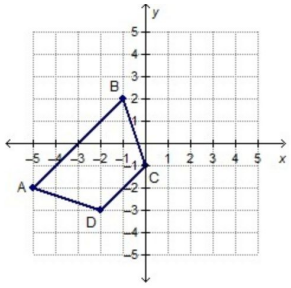
_____ $units^2$

38. Sara has saved $20. She earns $8 for each hour she works. If Sara saves all of her money, how much will she have after working 5 hours?

O

41. What quadrilateral is pictured below?

T



_____

39. Order from greatest to least.

3.02, 3.22, 0.322, 30.2
A B C D

_____ _____ _____ _____

(Write the order of the letters in the blank.)

42.

$$\frac{2}{3} \cdot \frac{4}{5} =$$

U

Summer Math Packet- Week 8

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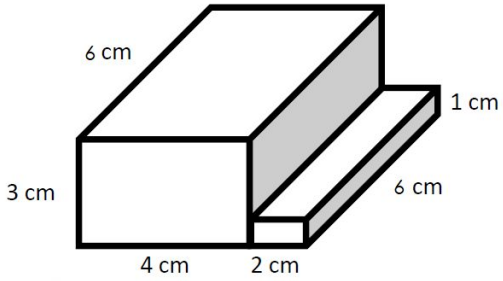
43. Find the volume of this composite figure.



a. 72 cm^2

b. 84 cm^2

c. 22 cm^2

d. 96 cm^2 B

44. $6 \times 10^3 =$

a. 60

b. 600

c. 6,000

d. 60,000

45. Mr. Cochran has 450 Instagram followers and wants to add 5 more. What is the expression that matches the words?

a. 450 - 5

b. 450 + 5

c. 450 ÷ 5

d. 450 x 5 E

46. Mr. Montaperto has ½ of a cake that he would like to divide between 8 people. How much of the cake would each of the 8 people have?

a. ⅓

b. ⅛

c. 1/16

d. 1/10

47. 2,032 ÷ 8 =

O

48. $2.4\overline{)38.4}$

Summer Math Packet- Week 9

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49. Mrs. Lovato's husband is making pancakes for breakfast! He needs two cups of flour for the recipe. If he uses a ⅓ measuring cup, how many times will he have to fill it to make 2 cups of flour?

_____

D

50. Mrs. Perez bought three books for her Language Arts class and it cost her $12, $9 and $10. She made an equation.

$$12 + (9 + 10) = (12 + 9) + 10$$

Which property did she use?

a. Commutative Property of Addition
b. Associative Property of Addition
c. Distributive Property
d. Identity Property of Addition

51. Mr. King was trying to measure his garden for tomatoes and needed to figure out what 10 yards is in feet so he could buy fencing. Convert yards to feet.

10 yards = _____ feet

N

52. Mrs. Lovato surveyed the class to find out how many siblings her students had.

According to the dot plot, what is the mode?

_____

53. Copy paper is about 0.004 inches thick. What is 0.004 in word form?

a. 4 hundredths
b. 4 thousandths
c. 4 ten-thousands
d. 4 tenths

54. Find the area of a rectangle that has a length of 4 cm and a width of 9.2 cm.

A = L x W

Summer Math Packet- Week 10

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55. Simplify the fraction below:

$$\frac{44}{72} =$$

U

56. Insert parentheses to make the statement true.

$$9 + 12 \div 3 - 1 = 15$$

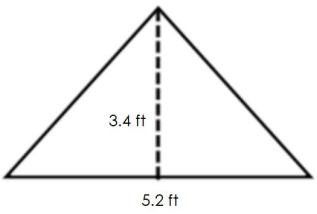
57. I bought a drink for $2.29 and a sandwich. I paid a total of $9.08 for my drink and sandwich. How much was the sandwich?

58. You bought 3 pounds of apples at $2.39 per pound. How much change will you receive if you paid with a $20 bill?

59. $34.57 + 21.44 + 60.3 =$

S

60. To find the area of a triangle, you multiply the base by the height and divide by two. Find the area of the triangle.



_____ ft^2