

**Western Middle School
Summer Math Packet
For Students Entering 6th Grade**

Name: _____

Please complete this entire math packet and bring it with you to your first day of sixth grade math. All students are required to complete a summer mathematics assignment. It counts as your first test grade. This assignment includes topics that student should know prior to entering sixth grade. Extra help math session(s) will be provided in August. Please check the school website to see these date(s). Remember to keep this in a safe place!

12. $7\text{ c} = \underline{\hspace{2cm}}$ pt.

Choose the best estimate for 13 and 14

13. $510 + 481 = \underline{\hspace{2cm}}$

- a. 800 c. 1,000
b. 900 d. 1,100

14. $92 \times 28 = \underline{\hspace{2cm}}$

- a. 2,700 c. 1,800
b. 2,400 d. 1,600

15. Which fraction is closest to $\frac{1}{2}$?

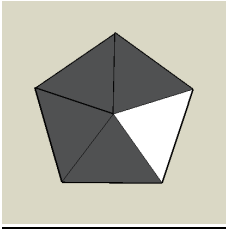
- a. $\frac{7}{12}$ c. $\frac{2}{3}$
b. $\frac{3}{4}$ d. $\frac{1}{3}$

16. Choose the decimal for $8\frac{17}{100}$

- a. 817.100 c. 8.171
b. 81.7 d. 8.17

17. $\$ 21.78 + \$36.60 = \underline{\hspace{2cm}}$

18. What fraction is shaded?



19. What is the whole or mixed number for $\frac{14}{5}$?

20. Compare. $\frac{2}{3}$ $\frac{1}{2}$

a. <





c. >


b. =

d. not given

21. $\frac{1}{10} + \frac{3}{10} =$

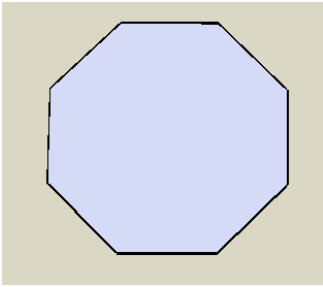
22.

Month	Campers in State Park
May	
June	
July	
August	

 = 100 Campers

How many campers visited the park in June?

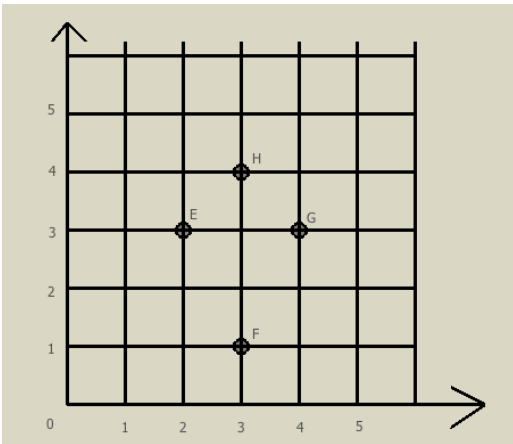
23. What is the name of this polygon?



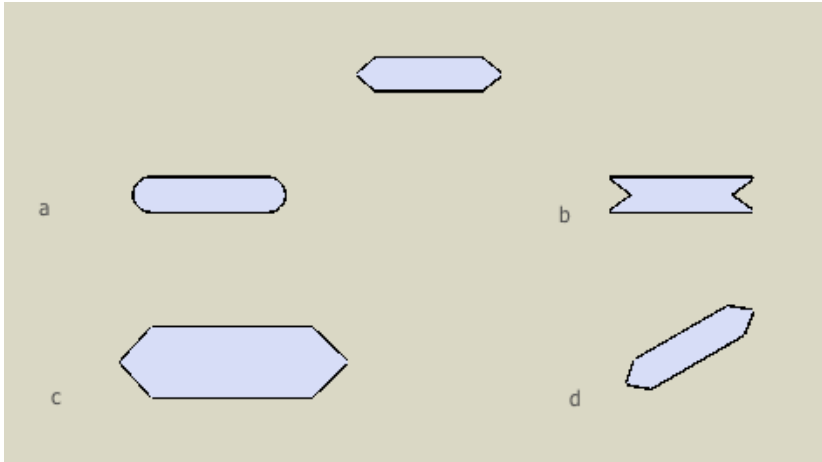
- a. quadrilateral
- b. hexagon
- c. octagon
- d. decagon

24. In a swimming relay, Rita swam her leg of the relay in 130 seconds. Sue swam her leg of the relay in 20 seconds less than Rita. Liz swam her leg in 20 seconds less than Sue. How many seconds did it take the three swimmers to finish the race?

25. What point is named by (3,4)?



26. Which figure is congruent to this polygon?



27. What time will it be 25 minutes after 10:15 a.m?

28. Last week, Jean's Office Supplies received 17 packets of pens with 14 pens in each packet. This week the store received 19 packets of pens with 18 pens in each. How many pens were received in the two weeks?

29. Phil bought 7 old American stamps for \$3.20 and 4 foreign stamps for \$2.50. How many stamps did he buy?

30. 7 yd = _____ ft

31. Three degrees below zero Fahrenheit is the same as _____.

a. -30° F

c. 3° F

b. -3° F

d. 29° F

32. What is 293,765 rounded to the nearest hundred thousand?

33. Find n

$$n + 18 = 26$$

34. $8,000 \times 70 =$ _____

35. $1,530 \times 6 =$

36. What are two common multiples of 3 and 5?

a. 5, 15

c. 25, 35

b. 15, 30

d. 33, 45

37.
$$\begin{array}{r} \$254.00 \\ \times 16 \\ \hline \end{array}$$

38. $475 \div 4 =$ _____

39. $1,792 \div 7 =$ _____

40. $6,002 - 4,860 =$ _____

41. $480 \div 7 =$ _____

42.

Skating Rink Admission	
Adults	\$ 3.00
Children	\$ 1.00

Mrs. Barr and 3 children went skating. How much did they pay?

43. REFRESHMENT SALES AT TOWN FAIR

	Day 1	Day 2	Day 3
Pretzels	\$ 153	\$ 174	\$ 161
Cups of cider	\$ 105	\$ 132	\$ 118

How much more money, in all, was taken in on Day 2 than on Day1 ?

44.

$$\begin{array}{r} 5,298 \\ + 8,347 \\ \hline \end{array}$$

45. Find n

$$400 \times n = 36,000$$

46. What are the first four multiples of 5 ?

- a. 5, 15, 20, 30
- b. 0, 5, 15, 25
- c. 0, 5, 10, 20
- d. 0, 5, 10, 15

47. Choose the related division problem. 6×7

- a. $36 \div 6$
- b. $35 \div 7$
- c. $42 \div 6$
- d. $49 \div 7$

48. $3 \overline{)3,168}$

49. $13.21 - 6.89$

a. 8

c. 6

b. 7

d. 5

50. $7.4 \times 0.19 = \underline{\hspace{2cm}}$

51. $\frac{5}{6} - \frac{1}{6}$

52. $\frac{1}{5} = \underline{\hspace{1cm}}$

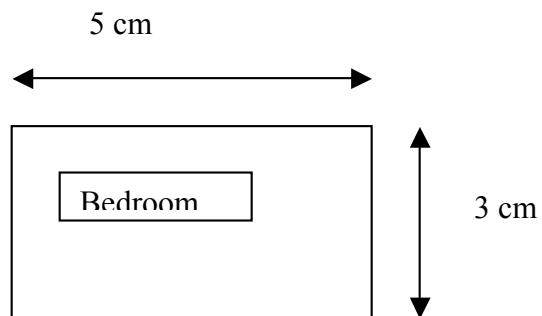
a. 0.1

c. 0.4

b. 0.2

d. 0.5

53. Find the area of the bedroom:



54.
$$\begin{array}{r} \frac{5}{6} \\ \frac{3}{8} \\ \hline \end{array}$$

$$+ \frac{2}{8}$$

55. Compare 8.6 _____ 8.7

a. <

c. >

b. =

d. not given

56. Choose the most likely temperature for a snow storm.

a. 85° F

c. 65° F

b. 65° F

d. 25° F

57. $\$23.80 \div 2 =$ _____

58. Find the area of a rectangle 15 yd. long and 3 yd. wide.

59. $2 \frac{1}{2}$ lbs. = _____ oz.

60. For a science project, Dan collected twice as many different leaves as Joe did. Marie collected 9 fewer leaves than Dan. Joe collected 28 leaves. How many did Marie collect?

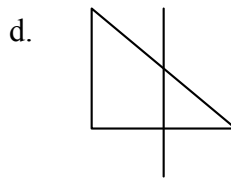
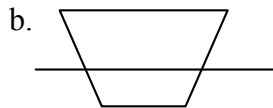
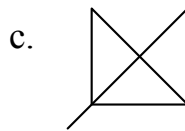
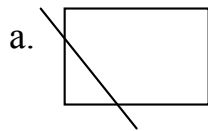
61. CLASS SIZE

Grade 4	♣♣♣♣♣♣♣♣
Grade 5	♣♣♣♣♣♣♣♣♣♣♣♣♣♣
Grade 6	♣♣♣♣♣♣♣♣
Grade 7	♣♣♣♣♣♣♣♣
Grade 8	♣♣♣♣♣♣♣♣♣♣♣♣♣♣

♣ = 2 students

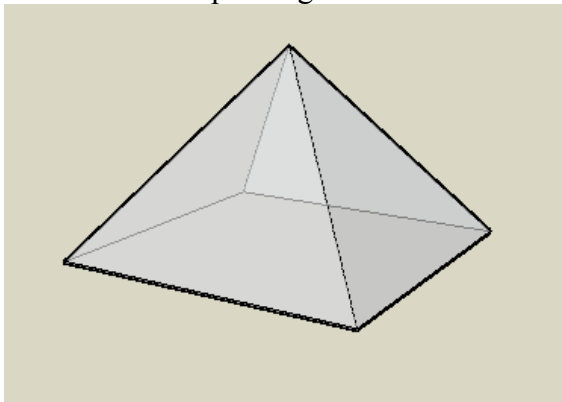
How many students are in Grade 6?

62. Which shows a line of symmetry?

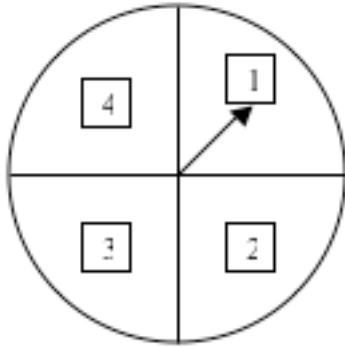


63. Find the perimeter of a square measuring 14 cm on a side.

64. Name this space figure.



65. What is the probability of the spinner landing on an even number in one spin?



66.

Amusement Park Admission	
Adults	\$5.00
Children under 14	\$3.00
Children under 3	free

What is the total cost of admission for Mr. and Mrs. Clark and their 16-year-old son?

67.

	Ms. Daly's Farm	Mr. Klein's Farm
# of chickens	188	179
# of turkeys	135	156

How many chickens and turkeys are there on Mr. Klein's farm?

68. Choose the numbers that continue the pattern.

7, 13, 18, 22, _____, _____

a. 26, 31

c. 25, 27

b. 26, 29

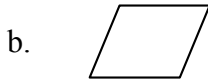
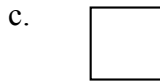
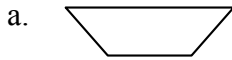
d. 24, 28

69. Connie has a 60 yard rope. She cuts off a 4 yard pice. How many 8-yard pieces can she cut from what is left?

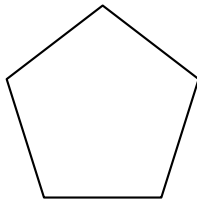
70. Sandy, Maria, Tom and Brian play four different instruments – flute, - trumpet, drums and violin – in the school orchestra. Sandy sits next to the trumpet player. Neither Maria nor Brian plays the drums. Tom plays a string instrument. The flute player is a boy. Who plays the trumpet?

- a. Brian
- b. Maria
- c. Sandy
- d. Tom

71. Which shape is not a parallelogram?

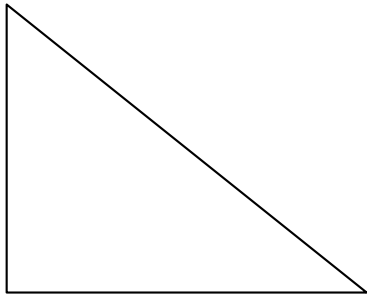


72. Draw a line of symmetry for this shape.



Show your work on this page. Answers do not need to be placed on the answer sheet for numbers 73-75.

73. Use your inch ruler to measure the length of each side of this triangle to the nearest half inch. Label the lengths of the sides and determine the PERIMETER of the triangle.



PERIMETER = _____

74. Draw a hexagon. Then explain why the figure you drew is hexagon.

Show your work on this page. Answers do not need to be placed on the answer sheet for numbers 73-75.

75. SHOW ALL WORK AND EXPLAIN YOUR ANSWER. YOU MAY USE A CALCULATOR.

Sam and his family have \$50 to spend at a restaurant. The members of his family are Sam, Betty, Gill and Heather.

The menu at the restaurant is:

ENTREES	
Chicken Dinner	9.95
Hamburger	5.95
Cheeseburger	6.95
Fish Dinner	8.95
DRINKS	
Large Soda	1.50
Tea	.95
Coffee	1.25
Milk	1.00
DESSERTS	
Cake	2.50
Pie	1.95
Ice Cream	2.25

Each member of Sam's family orders 1 entrée, 1 drink and 1 dessert. Determine an order for the family that is under \$50 and **explain and show** your mathematical thinking below.

Name _____

Summer Materials Answer Sheet:

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

51		62			
52		63			
53		64			
54		65			
55		66			
56		67			
57		68			
58		69			
59		70			
60		71			
61		72			