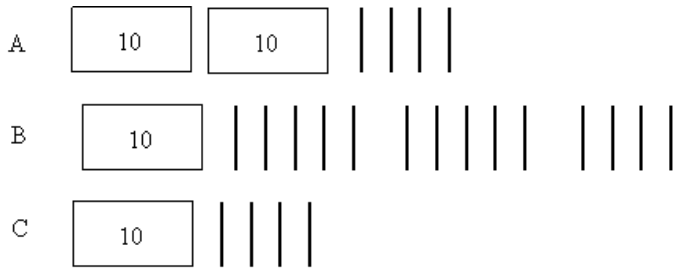
**Entering Third Grade Summer Math Packet**

**Name: _____ Third Grade Teacher: _____**

Multiple Choice Questions:
Select the one best answer for each question.

1. One day at lunch Tony used straws to show his friend 3 ways to make 24. Some straws were bundled in groups of ten. Which picture does NOT show a right way?




A. A
B. B
C. C

2. Which is a correct addition pair for 100?

A. 91 + 5
B. 97 + 4
C. 92 + 8

3. Which is a correct addition pair for 100?

A. 45 + 55
B. 30 + 60
C. 64 + 46

Find the sum:

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 | 8 | 1 | 2 | 2 | 7 | 5 |
| +3 | +0 | +2 | +2 | +6 | +3 | +5 |
| 7 | 5 | 3 | 2 | 5 | 2 | 3 |
| +7 | +2 | +0 | +7 | +1 | +5 | +3 |
| 1 | 4 | 0 | 1 | 9 | 1 | 1 |
| +7 | +5 | +6 | +9 | +9 | +4 | +8 |
| 6 | 8 | 4 | 2 | 5 | 1 | 4 |
| +6 | +1 | +3 | +3 | +0 | +6 | +4 |

4. List the value of each coin.

_____ _____ _____ _____

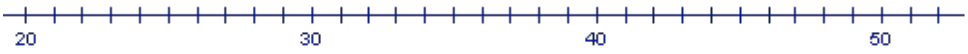
5. Count the coins from someone in your house. Ask for their permission first. Draw the coins out if needed.

_____

6. Which is NOT a correct addition pair for 100?

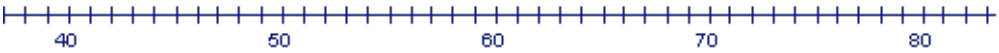
   A. 98 + 2
   B. 87 + 23
   C. 66 + 34

7. Find the distance between 31 and 44 on a number line?




   A. 12
   B. 13
   C. 16

8. How far is it on the number line from 54 to 68?




   A. 13
   B. 14
   C. 15

9. Tamiko wanted 100 trading cards. She had 55 cards. How many more cards did she need?

   A. 35
   B. 45
   C. 155

10. Tammy wanted 100 trading cards. She had 55 cards. Which number sentence could Tammy use to help her figure out how many more cards she needs?

   A. 100 + _____ = 55
   B. 55 + ____ = 100
   C. 100 + 55 = _____

11. Find the missing value in this number sentence: 13 + ____ = 68.

A. 37
B. 45
C. 55

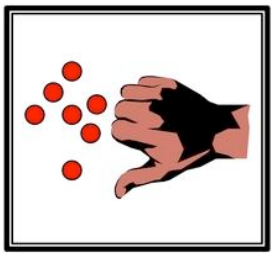
12. To find the missing value in this number sentence 29 + _____ = 88, you should

A. start with 29 and add 88.
B. start with 29 and subtract 88.
C. start with 88 and subtract 29.

13. 54 birds were sitting in a tree. Some flew off. Then there were 30 left. How many birds flew off?

A. 14
B. 24
C. 30

14. There are 19 marbles in all. How many are under my hand?



A. 12
B. 17
C. 24

15. Farmer Tom had 39 cows in a pasture. During a storm, the fence broke and 13 of the cows wandered off. Which number sentence can be used to find out how many cows stayed in the pasture?

A. 39 + 13 =
B. 39 – 13 =
C. 13 + 13 + 13 + 13 =

16. Mary saved $5.60 in a week. The next week she saved $1.20. How much money did she save altogether?

A. $4.30
B. $5.80
C. $6.80

17. Mary saved $56 in a week. The next week she saved $12. How much money did she save altogether?

A. $43
B. $58
C. $68

18. There were 63 pumpkins in a pumpkin patch. Wanda picked 19 of the pumpkins. How many of the pumpkins were left in the patch?

A. 82
B. 56
C. 44

19. The Wildcats scored 63 points in the game. But they only scored 27 points in the first half. How many points did the Wildcats score in the second half?

A. 26
B. 36
C. 44

20. At the basketball game, the Wildcats beat the Bears 63 to 56. How many points did both teams score all together?

A. 103
B. 109
C. 119

Find the sum:

| | | | | | | |
|---|---|---|---|---|---|---|
| 8 | 7 | 6 | 9 | 3 | 9 | 6 |
| +2 | +0 | +6 | +1 | +6 | +2 | +3 |
| 6 | 0 | 3 | 3 | 6 | 8 | 1 |
| +2 | +4 | +1 | +9 | +8 | +7 | +3 |
| 9 | 8 | 7 | 9 | 8 | 6 | 7 |
| +3 | +8 | +4 | +4 | +3 | +4 | +6 |
| 4 | 7 | 3 | 8 | 3 | 0 | 7 |
| +6 | +5 | +8 | +6 | +2 | +2 | +8 |
| 9 | 4 | 7 | 5 | 2 | 6 | 9 |
| +9 | +7 | +9 | +7 | +4 | +9 | +5 |

19. There were 654 geese on a pond when another flock of 135 geese arrived. How many geese were on the pond then?

    A. 789
    B. 799
    C. 889

20. The sum of 587 and 221 is closest to

    A. 400
    B. 800
    C. 900

21. The sum of 313 and 406 is closest to

    A. 100
    B. 700
    C. 800

22. Estimate the sum of these two numbers: 164 + 122 =

    A. 200
    B. 250
    C. 300

23. Jim wants 500 trading cards. He has 50 cards. How many more cards does he need? (Do this in your head, without pencil and paper or calculator.)

    A. 400
    B. 450
    C. 550

24. What is the sum of 648 +1?

    A. 649
    B. 658
    C. 748

25. 357 – 100 is

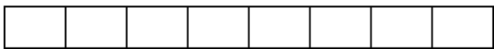
    A. 356
    B. 347
    C. 257

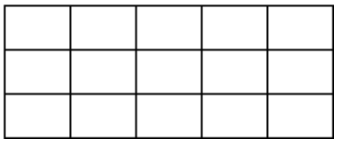
26. It took Jon a month to save $5.00. How many months will he have to save money to buy a $25.00 skateboard?
    A. 2
    B. 5
    C. 20

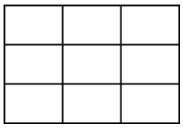
27. Baliee has 12 Yugi-Oh cards. She wants to share them equally with 3 friends. Which number sentence shows this situation?

    A. 12 - 3 = 9
    B. 12 ÷ 3 = 9
    C. 12 ÷ 3 = 4

28. Which of these pictures shows 3 times 5 (3 x 5)?

A 

B 

C 

    A. A
    B. B
    C. C

| | | | | | | |
|---|---|---|---|---|---|---|
| 8 | 5 | 9 | 2 | 4 | 8 | 5 |
| +9 | +8 | +6 | +8 | +9 | +8 | +9 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | 6 | 4 | 1 | 7 | 7 | 5 |
| +5 | +1 | +2 | +1 | +1 | +2 | +4 |

29. Elisa arranged her checkers in a pattern shown below.

o o o o o
o o o o o
o o o o o
o o o o o

Which operation best shows how she arranged them?

A. 4 x 5
B. 4 + 5
C. 5 x 5

30. Karen has 2 bowls of cereal each day. After 5 days, how many bowls of cereal has she eaten? Show this with a drawing and write it out with numbers and symbols, then solve it.

Drawing:

Written with numbers and symbols:

Find the answer:

A. 10
B. 7
C. 3

31. Farmer Jill had 3 chickens that laid eggs. Each day they laid 2 eggs each. Which sentence shows how many eggs she got each day?

A. 3 – 2 = 1
B. 3 + 2 = 5
C. 3 x 2 = 6

32. Each pack of gum has five sticks. How many sticks are in three packs of gum?

Draw a picture or use objects to show this situation, then find the answer.

A. 5
B. 8
C. 15

33. There are six juice boxes in a pack. How many packs are needed for 18 students? Draw a picture or use objects to show this situation.

A. 5
B. 8
C. 15

34. Find the difference:

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 | 11 | 2 | 12 | 11 | 9 | 12 |
| - 0 | - 9 | - 2 | - 5 | - 6 | - 9 | - 6 |
| 10 | 13 | 7 | 15 | 13 | 10 | 15 |
| - 9 | - 7 | - 3 | - 9 | - 4 | - 8 | - 6 |
| 11 | 17 | 11 | 3 | 18 | 12 | 9 |
| - 7 | - 8 | - 3 | - 2 | - 9 | - 3 | - 1 |
| 3 | 16 | 9 | 9 | 15 | 5 | 6 |
| - 1 | - 7 | - 4 | - 2 | - 7 | - 1 | - 5 |

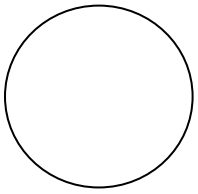
35. Tina is having a birthday party. She has invited 20 friends. Each of her tables seats four people. How many tables does she need?

A. 4
B. 5
C. 6

36. What addition problem shows the multiplication 5 x 2?

A. 5 + 5
B. 2 + 2
C. 5 + 2

37. A whole pizza had 4 equal pieces. David ate 1 piece. Draw the whole pizza and shade the part David ate.



What fraction of the pizza did David eat?

A. ½
B. ¼
C. ¾

38. You divide a chocolate bar into 3 equal pieces. You give your friend 1 of these pieces. What fraction of the candy bar did you give to your friend?

Draw a picture:

A. 1/2
B. 1/3
C. 2/3

39. This picture shows which fraction?

A. 2/2
B. 2/4
C. 4/4

40. Bob wanted to share his candy bar with his friend Mark. He offered Mark the following choices:

A. You can have 1/10 of my candy bar. ☐
B. You can have 1/6 of my candy bar. ☐
C. You can have 1/2 of my candy bar. ☐

Mark wants to choose the biggest piece. Tell which fraction Mark should choose and tell why.

A. A
B. B
C. C

41. A pan of brownies is cut into twelfths (1/12). Each of the 10 students in the speech class ate one brownie. How many were left for the teacher?

Draw a picture:

A. 1
B. 2
C. 3

42. Joe's jump rope is 3 feet long. Sally's jump rope is 5 feet long. How much longer is Sally's jump rope?

A. 2 feet
B. 6 feet
C. 8 feet

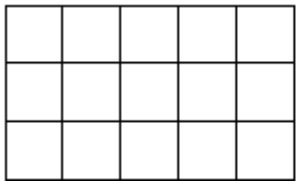
43. Shawn used a triangular chip shaped like the one below to find the area of this rectangle. How many triangles will fit into the rectangle? (You may trace the triangle and use the tracing to measure.)

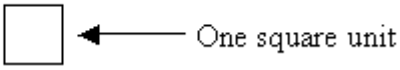
A. 3 triangles
B. 6 triangles
C. 8 triangles

44. A second grade square table measures 3 feet on each of the four sides. What is the measurement of its perimeter?

A. 6 feet
B. 9 feet
C. 12 feet

45. What is the area of the rectangle below?



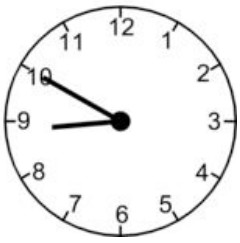



A. 8 square units
B. 15 square units
C. 16 square units

46. Find the area of this rectangle.

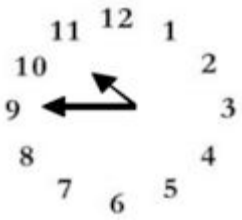
A. 2 square units
B. 3 square units
C. 6 square units

47. Tell the time indicated on the clock pictured below.



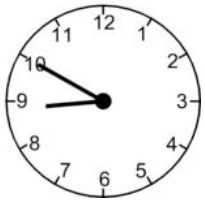

A. 10 minutes to nine
B. 10 minutes to eight
C. Nine – ten

48. What time is it on this clock?




A. 11:45
B. 10:45
C. 9:10

49. What time will it be half hour after the time shown on the clock?




A. Eight-twenty
B. Nine–ten
C. Nine-twenty

50. School is over at 3:15. It is a half-hour bus ride home. What time will you arrive home from school?

A. 3:30
B. 3:45
C. 4:45

Find the difference:

| | | | | | | |
|---|---|---|---|---|---|---|
| 17 | 4 | 14 | 7 | 13 | 8 | 7 |
| - 9 | - 4 | - 6 | - 6 | - 8 | - 4 | - 2 |
| 12 | 8 | 6 | 3 | 9 | 10 | 9 |
| - 8 | - 8 | - 2 | - 0 | - 6 | - 6 | - 5 |
| 9 | 8 | 10 | 9 | 10 | 1 | 12 |
| - 7 | - 3 | - 7 | - 3 | - 5 | - 1 | -4 |
| 7 | 13 | 4 | 5 | 16 | 12 | 8 |
| - 1 | - 6 | - 1 | - 2 | - 8 | - 7 | - 2 |

51. My piggy bank has 3 quarters. How much money do I have?

A. $0.75
B. $7.50
C. $75

52. What is the total value of this money?

A. $1.25
B. $3.25
C. $32.5

53. Juan had $1.50. He was given 60 cents more. How much money does Juan have?

A. $1.56
B. $2.10
C. $61.50

54. Jenn had $4.30. She lost 40 cents. How much money does Jenn have now?

A. $0.30
B. $3.90
C. 4.70

55. Dominick has $2.05. He gets two dollars for his allowance. How much money will Dominick have?

A. $2.00
B. $4.00
C. $4.05

56. Kate has $2.00. Her mom gave her 75 cents. How much money does she have now?

    A. $1.25
    B. $2.75
    C. $77.00

57. Tamara has $12.97. She spends $8 on a new doll. How much money does she have left?

    A. $4.00
    B. $4.97
    C. $8.97

58. Two tables are pushed together to make more room for a big dinner. One table is 5 feet long and the other table is 6 feet long. How long are the two tables together?

    A. 9 feet
    B. 11 feet
    C. 56 feet

59. Mom would like new pink nail polish. It costs $1.19. She asks you to count the change in her wallet. You find:

See next page to continue…

You report to mom:

A. There is not enough money to buy the nail polish.
B. There is exactly enough money to buy the nail polish.
C. There is more than enough money to buy the nail polish.

Find the sum or difference.

| | | | | | | |
|---|---|---|---|---|---|---|
| 8 | 5 | 6 | 14 | 8 | 9 | 6 |
| +8 | - 3 | +6 | - 8 | - 6 | +9 | - 3 |
| 6 | 6 | 3 | 3 | 7 | 7 | 2 |
| +6 | - 4 | +3 | +9 | - 4 | +7 | +2 |
| 7 | 8 | 13 | 4 | 10 | 11 | 6 |
| -5 | +8 | - 5 | +4 | - 1 | - 4 | - 4 |
| 4 | 10 | 14 | 8 | 8 | 11 | 7 |
| +6 | - 4 | - 5 | +6 | - 1 | - 2 | +8 |
| 9 | 4 | 16 | 5 | 2 | 13 | 8 |
| +9 | - 2 | - 9 | +7 | +4 | - 9 | - 5 |

60. Joe draws a shape that has 3 sides and 3 angles. What shape did he draw?

A. Triangle
B. Circle
C. Square

61. What do all squares have?

A. 4 unequal sides
B. 4 equal sides
C. 6 equal sides

62. Joe draws a shape that has 3 sides and 3 corners. What shape did he draw?

A. Square
B. Circle
C. Triangle

63. What shape is this?

A. Semicircle
B. Sphere
C. Circle

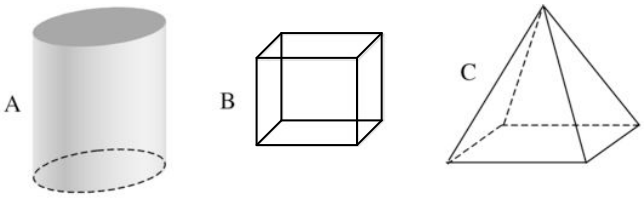
64. Which of the following would have a curved surface?

A. Cardboard box
B. Soup can
C. Stop sign

65. What shape has a curved surface?

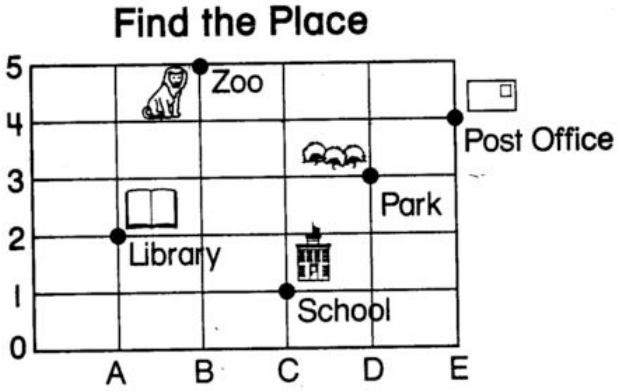

A. A
B. B
C. C

66. Which of these has six sides?




A. A
B. B
C. C

67. On this map, each side of a square is one block. Matt started at (C, 1), the School. He went up 2 blocks and right 1 block. Where is he now?



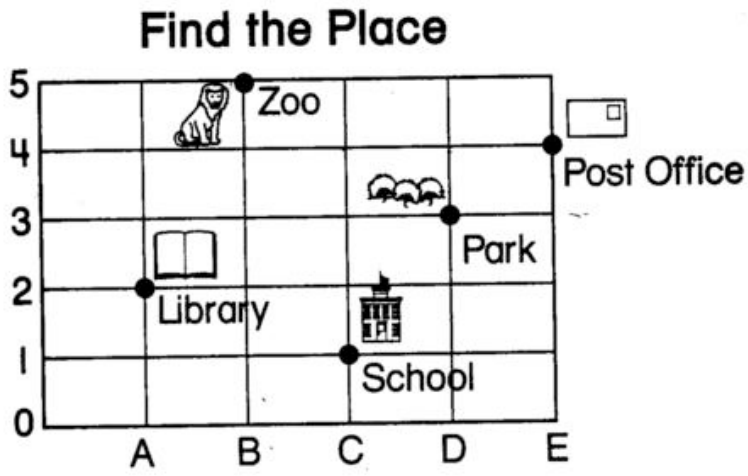

A. Post Office
B. Park
C. Library

Find the sum:

| | | | | | | |
|---|---|---|---|---|---|---|
| 8 | 6 | 4 | 7 | 2 | 3 | 9 |
| +8 | +6 | +4 | +7 | +2 | +3 | +9 |

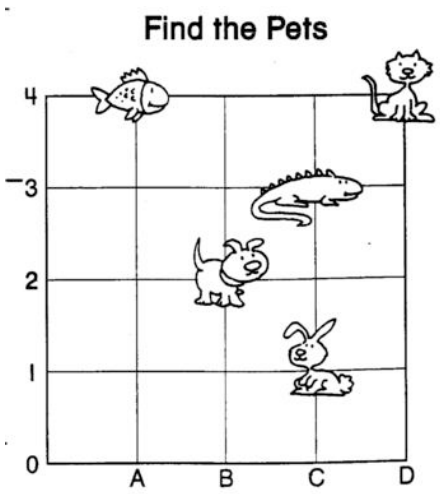
| | | | | | |
|---|---|---|---|---|---|
| 5 | 10 | 12 | 14 | 11 | 13 |
| +5 | +10 | +12 | +14 | +11 | +13 |

68. What place is located at (B, 5)?



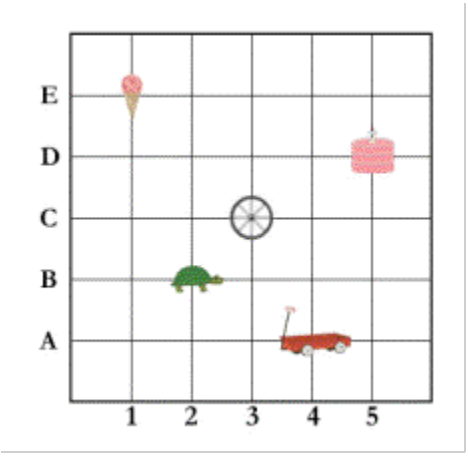

A. Post Office
B. Library
C. Zoo

69. Where is the bunny located?



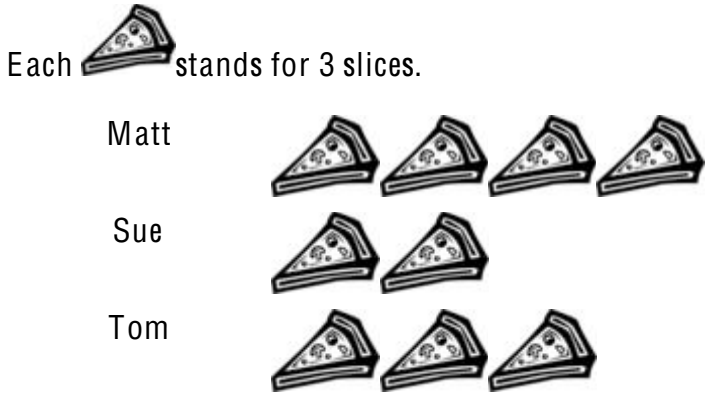

A. (B, 2)
B. (C, 1)
C. (C, 3)

70. Where is the turtle located?




A. (3, B)
B. (2, C)
C. (2, B)

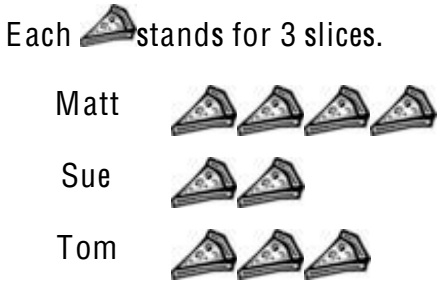
71. Use this graph about Pizza Day for the following questions.




How many pieces of pizza did Matt eat?

A. 4
B. 9
C. 12

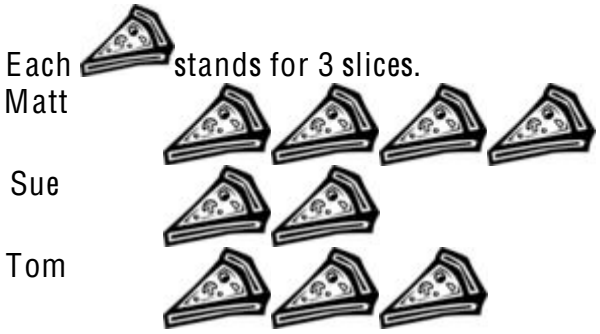
72. Use this graph about Pizza Day for the following question.




How many more slices of pizza does Tom have than Sue?

A. 3
B. 2
C. 1

73. Use the graph about Pizza Day for the following question.



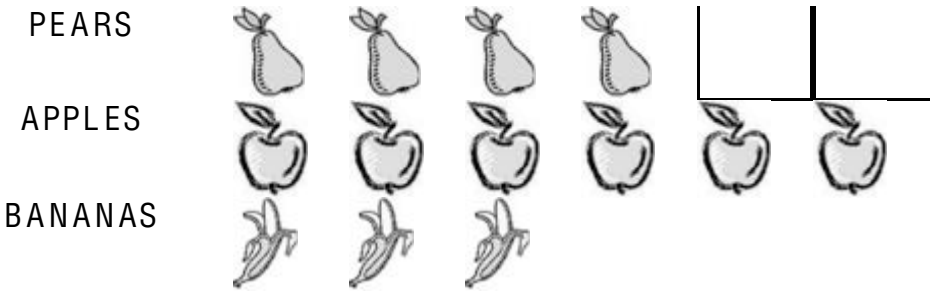

How many slices of pizza do Matt and Tom have together?

A. 7
B. 15
C. 21

Find the sum or difference:

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 | 9 | 4 | 8 | 6 | 8 | 2 |
| + 6 | + 7 | + 8 | - 7 | - 4 | - 1 | + 9 |
| 29 | 17 | 58 | 32 | 17 | 57 | 44 |
| +23 | +18 | +24 | +22 | +43 | +22 | +17 |
| 24 | 15 | 88 | 77 | 54 | 33 | 44 |
| +26 | +15 | +18 | +37 | +34 | +33 | +48 |

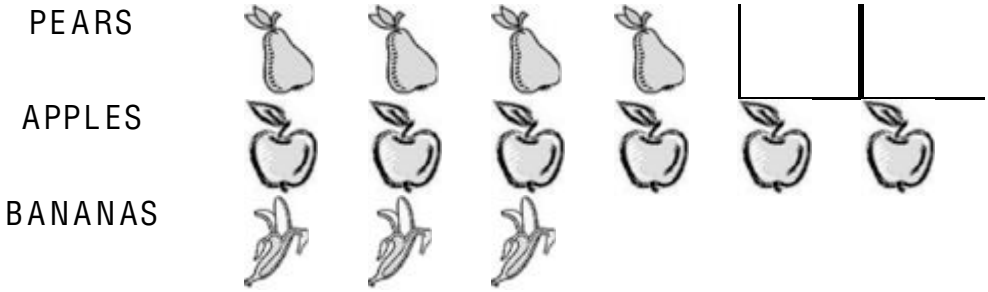
74. Each picture in this graph stands for 2 pieces of fruit.




How many apples are there altogether?

A. 6
B. 8
C. 12

75. Each picture in this graph stands for 2 pieces of fruit.




How many more pears are there than bananas?

A. 1
B. 2
C. 7

76. Fill in the numbers to complete each pattern:

A. 813, 814, 815, _____, _____, _____

B. 240, _____, 260, 270, _____

C. 300, 400, _____, _____, 700, _____

77. Write the number sixty-three:_____

Write the number forty-five:_____

Write the number eighty-nine:_____

Write the number twenty-seven:_____

78. Use < or > to show which number is larger.

78 _____ 98

250_____112

105_____ 150

122_____222

79. Complete this number pattern.

3, 6, 9, _____, _____, _____

80. Complete these number patterns:

25, 30, 35,____, _____, _____

9, 12, 15, ____, _____, _____

130, 140, 150, _____, _____, _____

81. Sam is making 5 apple pies. He uses 4 apples in each pie. How many apples will Sam use altogether? Draw a picture to show this.

Picture:

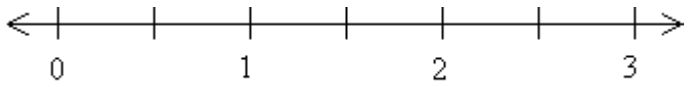
Answer:_____

82. Maria is going to open a lemonade stand. It takes 5 lemons to make a pitcher of lemonade. How many lemons will she need to make 5 pitchers of lemonade?

Draw a picture:

Answer:_____ lemons

83. Show where this number should go on the number line: $1\frac{1}{2}$

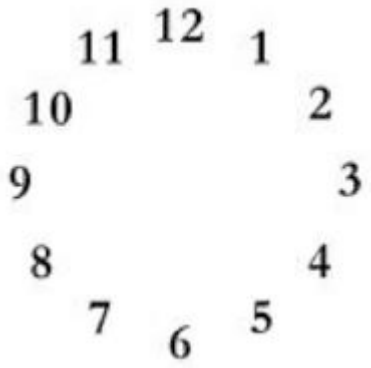


84. Two students were arguing about fractions. Pat said that 6/6 is more than 3/3. Chris said they are equal. Who do you agree with?

A. Pat
B. Chris

Draw a picture to explain your answer.

85. Draw hands on this clock face to show 20 minutes after 8




86. May piggy bank has 3 quarters, 3 dimes, 3 nickels, and 7 pennies. Write the amount of the quarters, dimes, nickels, and pennies in decimal form.

Total money in quarters $_____

Total money in dimes $_____

Total money in nickels $_____

Total money in pennies $_____

Total money altogether $_____

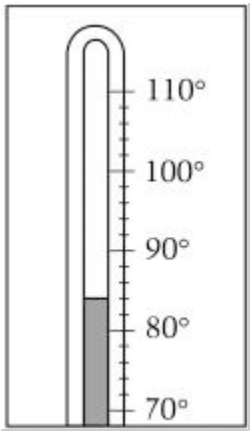
87. Write fifteen dollars and 65 cents in decimal form.

_____

88. Write the value of this money in decimal form.

_____

89. What is the temperature shown on the thermometer? Each mark stands for 2 degrees.

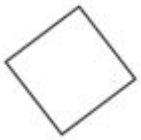



_____degrees

90. What is the name of the shape that is created when these two triangles are put together along their long edges?

A. Square
B. Rectangle
C. Circle

91.

Kelly placed a tile on the table like this:  Sara came by and turned the tile like this:  Sara said "It is still a square." Is she right? Explain your answer.

_____

Find the sum or difference:

| | | | | | | |
|---|---|---|---|---|---|---|
| 135 | 546 | 71 | 50 | 354 | 63 | 426 |
| +479 | +137 | - 18 | -26 | - 235 | -42 | -135 |
| 42 | 54 | 135 | 32 | 88 | 81 | 48 |
| +18 | - 39 | - 53 | - 28 | +13 | - 57 | -26 |