Math Diagnostic Test

Level: **E**   Name: _____   Grade: _____   Date: _____

1. 2
    6
  + 8

   A 13   B 16
   C 15   D 10

2. Cindy has 4 red markers, 6 blue markers, and 4 green markers. How many markers does Cindy have in all?

   A 10   B 13
   C 14   D 16

3. Which belongs in the fact family for this set of Number?
        5   **8**   **13**

   A $5 + 9 = 14$ B $13 - 6 = 7$
   C $8 - 3 = 5$ D $13 - 8 = 5$

4. Circle the one which does **not** equal to 11.

   A $4+7$ B $3 + 6 + 2$
   C $15 - 3$ D $6 + 5$

5. There are 15 birds on a branch. Then 7 birds fly away. How many are left on the branch?

   A 13   B 7
   C 8   D 5

6. What number sentence shows how to find the product?

   A $5 \times 4 = 20$ B $5 \times 3 = 15$
   C $5 \times 4 = 15$ D $4 \times 3 = 12$

7. In which number does the 5 have a value of 50?

   A 65   B 52
   C 35   D 32

8. What number is the same as eighty-nine?

   A 68   B 87
   C 69   D 89

9. $8 \times 10 =$ _____

   A 88   B 18
   C 80   D 90

10. Estimate how many bubble gum are in the bowl?

   A 5
   B 20
   C 50
   D 100

11. Which number set shows counting by fives?

A 2, 4, 6, 8, 10, 12
B 3, 6, 9, 12, 15, 18
C 1, 2, 3, 4, 5, 6, 7
D 10, 15, 20, 25, 30

12. Which of the following is odd?

A 35   B 40
C 12   D 8

13. Use the chart to find how many legs are on 6 ducks.

Number of ducks	1	2	3	4	5	6
Number of legs	2	4	6	8	10	

14. Which number compare is true?

A   25 > 32
B   41 is greater than 40
C   2 tens 3 ones is equal to 32
D   34 is less than 30

15. What is the total amount?

A 35¢   B 80¢
C 95¢   D 75¢

Use the chart to answer question 16 and 17.

Drinks	Price
Milk	55¢
Juice	84¢
Hot coco	98¢

16. You have this much money. What can you buy and have no money left?

A Milk   B Juice
C Hot Coco   D None

17. You have 90¢. You buy Milk for 55¢. How much change do you get?

A

B

C

D

18. Kimi visited her friends for 25 days. <u>About how</u> long is 25 days?

    A   More than a week
    B   More than a month
    C   Less than a week
    D   Less than a month

19. What time does the clock show?

    A 4 : 11
    B 11 : 20
    C 4 : 55
    D 10 :20

20. One a school trip. 35 children are from Ms. Ingrid's class and 18 children are Mr. Lopez class.
    How many children are on the trip?

    A 74 children   B 73 children
    C 47 children   D 53 children

21. 54 + 29 = _____

    A 73   B 83
    C 63   D 53

22.   77
   +37
    A 124   B 114
    C 104   D 134

23. Mira has 13 roses. Taylor has 6 more than Mira. Then how many roses do they have in all?
    A 19   B 20
    C 32   D 34

24. 44 – 28 =

    A 19   B 16
    C 6   D 26

25. 93¢ - 64¢ = _____
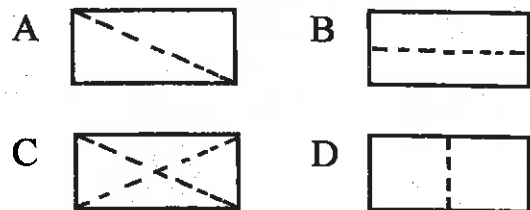
    A 19¢   B 9¢
    C 29¢   D 31¢

26. A ball costs 59¢. A pencil costs 34¢. How much money would you need to buy both?
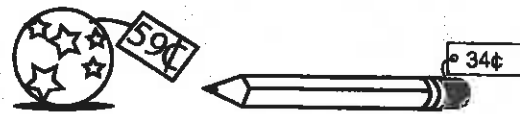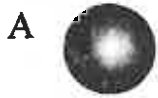

    A 36¢   B 93¢
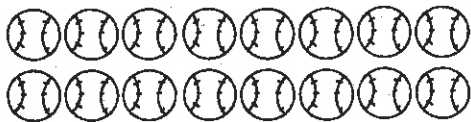   C 92¢   D 25¢

27. Which drawing shows how you can cut the figure to make 2 triangles?

28 Which solid figure has 5 faces, 8 edges, and 5 corners?

A

B

C

D

29. Divide 16 balls into 3 equal groups. How many in each group?
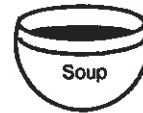

A   4 in each group, 2 left over
B   3 in each group, 4 left over
C   5 in each group, 1 left over
D   5 in each group, 2 left over

30. Which object has the same shape as this solid?

A

B

C

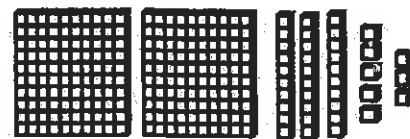D

31. About how much does the container hold?

A   20 quarts   B   2 cups
C   2 quarts   D   20 pints

32. Which picture has a line of symmetry?

A

B

C

D

33. What number does the model have?

A   450   B   228
C   238   D   208

34. What is this number?

6 hundreds, 9 tens, 4 ones

A   690   B   964
C   694   D   906

4

35. Which shows the numbers in order from least to greatest?

432, 410, 401, 487, 456

A   401, 410, 432, 456, 487
B   401, 432, 456, 487, 410
C   456, 410, 432, 487, 401
D   487, 456, 432, 410, 401

36. Write the rule for this number pattern.

21, 18, 15, 12

A   Count by 2   B   Adding by 3
C   Subtract by 3   D   County by 4

37. Vick has 6 pencils. 4 pencils are blue and 2 pencils are yellow. What fraction of the blue pencil?

A $\frac{2}{4}$ B $\frac{4}{6}$

C $\frac{6}{2}$ D $\frac{2}{6}$

38. $7 \times 8 =$ _____

A   56   B   60
C   70   D   42
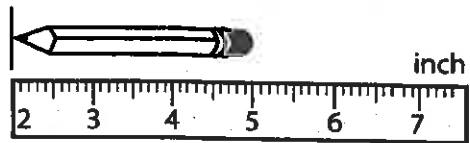
39.   Amy starts playing piano at 5:00P.M. She plays until 6:30P.M. How much time has passed?

A   2 minutes   B   1 hour
C   2 hours   D   1 hour 30mins

40.   189
    +378

A   557   B   547
C   457   D   567

41.   How long is this pencil?

_____ inch
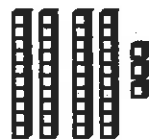
42. Chris had 18 cents. He gave 9 cents to John. How many cents did Chris have left?

◯

_____ _____ = _____
                    (cents)

43. $5.75
    + $6.27

44. $8.39
    −$1.56

45. How many tens and ones are shown?

_____ tens _____ ones