

※ You will receive 1.5 points for each correct answer for problems 1 to 30.

1. Calculate the answer.

$$17 + 9 =$$

- Ⓐ 24
- Ⓑ 26
- Ⓒ 28
- Ⓓ 30
- Ⓔ 32

2. Calculate the answer.

$$7 + 9 + 3 =$$

- Ⓐ 19
- Ⓑ 20
- Ⓒ 21
- Ⓓ 22
- Ⓔ 23

3. Calculate the answer.

$$12 - 5 =$$

- Ⓐ 5
- Ⓑ 6
- Ⓒ 7
- Ⓓ 8
- Ⓔ 9

4. Calculate the answer.

$$14 - 8 =$$

- Ⓐ 2
- Ⓑ 3
- Ⓒ 4
- Ⓓ 5
- Ⓔ 6

5. Calculate the answer.

$$16 - 9 =$$

- Ⓐ 4
- Ⓑ 5
- Ⓒ 6
- Ⓓ 7
- Ⓔ 8

6. Calculate the answer.

$$17 - 8 =$$

- Ⓐ 5
- Ⓑ 6
- Ⓒ 7
- Ⓓ 8
- Ⓔ 9

7. Calculate the answer.

$$22 - 4 =$$

- Ⓐ 15
- Ⓑ 16
- Ⓒ 17
- Ⓓ 18
- Ⓔ 19

8. Calculate the answer.

$$26 - 7 =$$

- Ⓐ 15
- Ⓑ 16
- Ⓒ 17
- Ⓓ 18
- Ⓔ 19

9. Calculate the answer.

$$32 - 5 =$$

- Ⓐ 25
- Ⓑ 26
- Ⓒ 27
- Ⓓ 28
- Ⓔ 29

10. Calculate the answer.

$$\begin{array}{r} 25 \\ - \quad 8 \\ \hline \end{array}$$

- Ⓐ 15
- Ⓑ 16
- Ⓒ 17
- Ⓓ 18
- Ⓔ 19

11. Calculate the answer.

$$\begin{array}{r} 33 \\ - \quad 9 \\ \hline \end{array}$$

- Ⓐ 24
- Ⓑ 25
- Ⓒ 26
- Ⓓ 27
- Ⓔ 28

12. Calculate the answer.

$$37 - 13 =$$

- Ⓐ 23
- Ⓑ 24
- Ⓒ 25
- Ⓓ 26
- Ⓔ 27

13. Find the missing number.

$$\boxed{} + 5 = 11$$

- Ⓐ 4
- Ⓑ 5
- Ⓒ 6
- Ⓓ 7
- Ⓔ 8

14. Find the missing number.

$$27 - \boxed{} = 18$$

- Ⓐ 7
- Ⓑ 8
- Ⓒ 9
- Ⓓ 10
- Ⓔ 11

15. Find the missing number.

$$\boxed{} - 7 = 15$$

- Ⓐ 22
- Ⓑ 23
- Ⓒ 24
- Ⓓ 25
- Ⓔ 26

16. Calculate the answer.

$$13 - 8 - 2 =$$

- Ⓐ 2
- Ⓑ 3
- Ⓒ 4
- Ⓓ 5
- Ⓔ 6

17. Calculate the answer.

$$22 - 5 - 9 =$$

- Ⓐ 5
- Ⓑ 6
- Ⓒ 7
- Ⓓ 8
- Ⓔ 9

18. Calculate the answer.

$$13 + 8 - 4 =$$

- Ⓐ 16
- Ⓑ 17
- Ⓒ 18
- Ⓓ 19
- Ⓔ 20

19. Calculate the answer.

$$36 - 19 + 5 =$$

- Ⓐ 22
- Ⓑ 23
- Ⓒ 24
- Ⓓ 25
- Ⓔ 26

20. Calculate the answer.

$$\begin{array}{r} 93 \\ + 29 \\ \hline \end{array}$$

- Ⓐ 121
- Ⓑ 122
- Ⓒ 123
- Ⓓ 124
- Ⓔ 125

21. Calculate the answer.

$$\begin{array}{r} 46 \\ + 88 \\ \hline \end{array}$$

- Ⓐ 131
- Ⓑ 132
- Ⓒ 133
- Ⓓ 134
- Ⓔ 135

22. Calculate the answer.

$$\begin{array}{r} 375 \\ + 46 \\ \hline \end{array}$$

- Ⓐ 417
- Ⓑ 418
- Ⓒ 419
- Ⓓ 420
- Ⓔ 421

23. Calculate the answer.

$$\begin{array}{r} 633 \\ + 389 \\ \hline \end{array}$$

- Ⓐ 912
- Ⓑ 1012
- Ⓒ 1022
- Ⓓ 1112
- Ⓔ 1122

24. Calculate the answer.

$$\begin{array}{r} 92 \\ - 38 \\ \hline \end{array}$$

- Ⓐ 54
- Ⓑ 55
- Ⓒ 56
- Ⓓ 57
- Ⓔ 58

25. Calculate the answer.

$$\begin{array}{r} 414 \\ - 65 \\ \hline \end{array}$$

- Ⓐ 345
- Ⓑ 346
- Ⓒ 347
- Ⓓ 348
- Ⓔ 349

26. Calculate the answer.

$$\begin{array}{r} 675 \\ - 287 \\ \hline \end{array}$$

- Ⓐ 378
- Ⓑ 379
- Ⓒ 388
- Ⓓ 389
- Ⓔ 398

27. Calculate the answer.

$$\begin{array}{r} 36 \\ \times 4 \\ \hline \end{array}$$

- Ⓐ 114
- Ⓑ 124
- Ⓒ 134
- Ⓓ 144
- Ⓔ 154

28. Calculate the answer.

$$\begin{array}{r} 69 \\ \times 7 \\ \hline \end{array}$$

- Ⓐ 453
- Ⓑ 463
- Ⓒ 473
- Ⓓ 483
- Ⓔ 493

29. Calculate the answer.

$$\begin{array}{r} 347 \\ \times 8 \\ \hline \end{array}$$

- Ⓐ 2766
- Ⓑ 2776
- Ⓒ 2786
- Ⓓ 2796
- Ⓔ 2806

30. Calculate the answer.

$$\begin{array}{r} 97 \\ \times 78 \\ \hline \end{array}$$

- Ⓐ 7536
- Ⓑ 7546
- Ⓒ 7556
- Ⓓ 7566
- Ⓔ 7576

※ You will receive 2.0 points for each correct answer for problems 31 to 40.

- 31.** Chloe has 8 goldfish and 7 tropical fish. How many fish does Chloe have in total in her fish tank?

_____ fish

- 32.** There were 8 passengers on a bus. 5 more new passengers got on the bus at the first stop and 7 more got on at the next stop. How many passengers are on the bus now? (No passengers got off.)

_____ passengers

- 33.** There are 9 candles on a cake. Lumi blew these candles and put out 4. How many candles are still on?

_____ candles

- 34.** Luke ate 5 of the 11 cookies on a plate. How many cookies are left on the plate?

_____ cookies

- 35.** A squirrel had 24 acorns. The squirrel ate 6 of them and hid the rest in the ground. How many acorns did the squirrel hide?

_____ acorns

- 36.** There are 38 red marbles and 8 blue marbles in my pocket. How many more red marbles than blue marbles do I have?

_____ marbles

- 37.** 23 frogs were swimming in the water. 12 of these frogs jumped out of the water. How many frogs are left in the water?

_____ frogs

- 38.** Scott spent \$9 on books and \$5 on toys, out of \$45 that he had. How much money did Scott have left?

\$_____

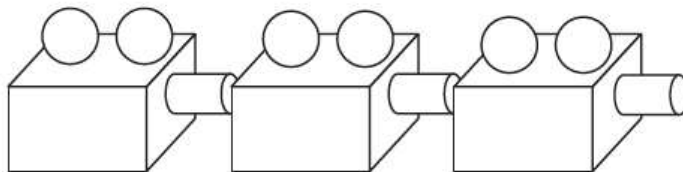
- 39.** Julian read 56 pages of a history book yesterday and 48 more today. How many pages did Julian read altogether?

_____ pages

- 40.** Toby had 108 cereal boxes. He gave 29 of these to a friend. How many cereal boxes does Toby have left?

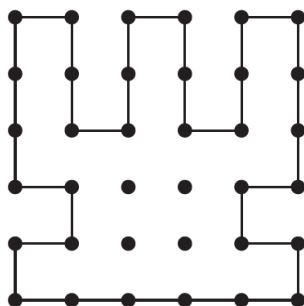
_____ cereal boxes

- 41.** The picture shows different shapes. What is the total number of cylinder-shapes and ball-shapes added together? [3.3 points]



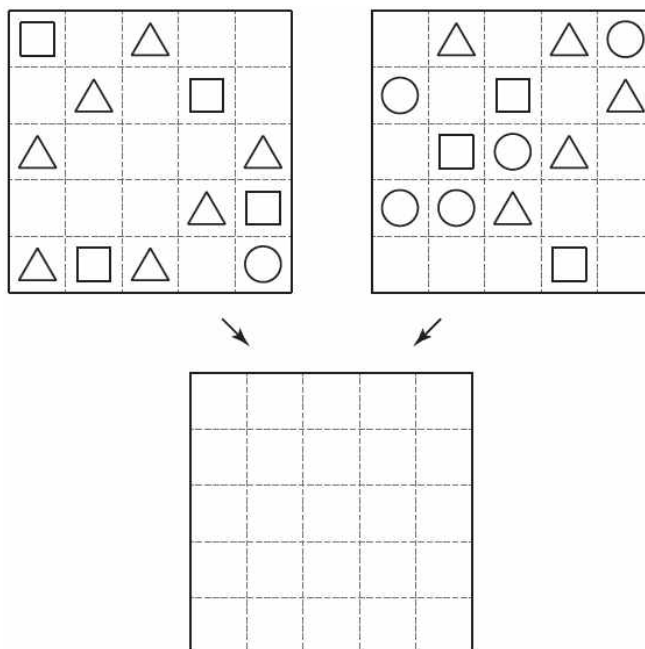
Answer : _____

- 42.** How many  do you need to fill the shape inside the line? [3.3 points]



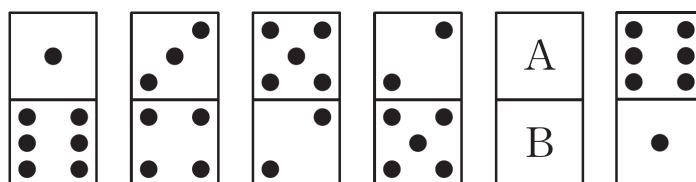
Answer : _____

43. Combine the two figures to make a new figure below. How many $\triangle$ shapes are there in the new figure? [4.3 points]



Answer : _____

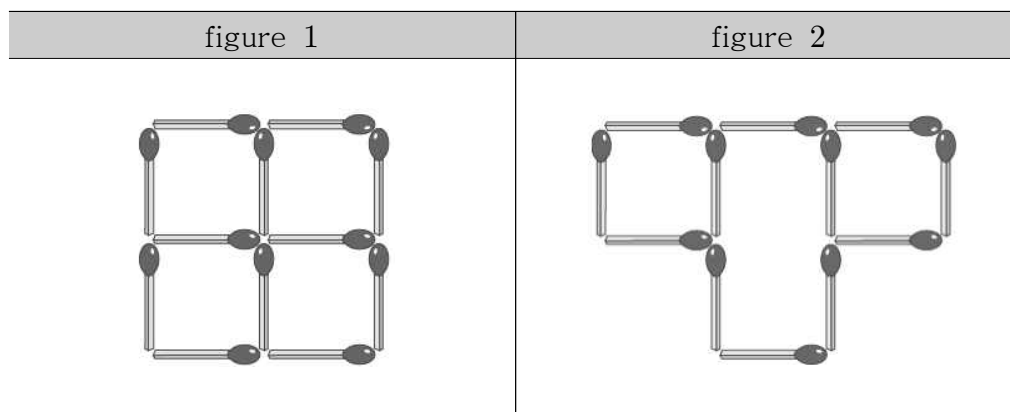
44. Look at the pattern of dots on the dominoes. A and B mean the number of dots on the domino. What is the sum of A and B? [4.3 points]



Answer : _____

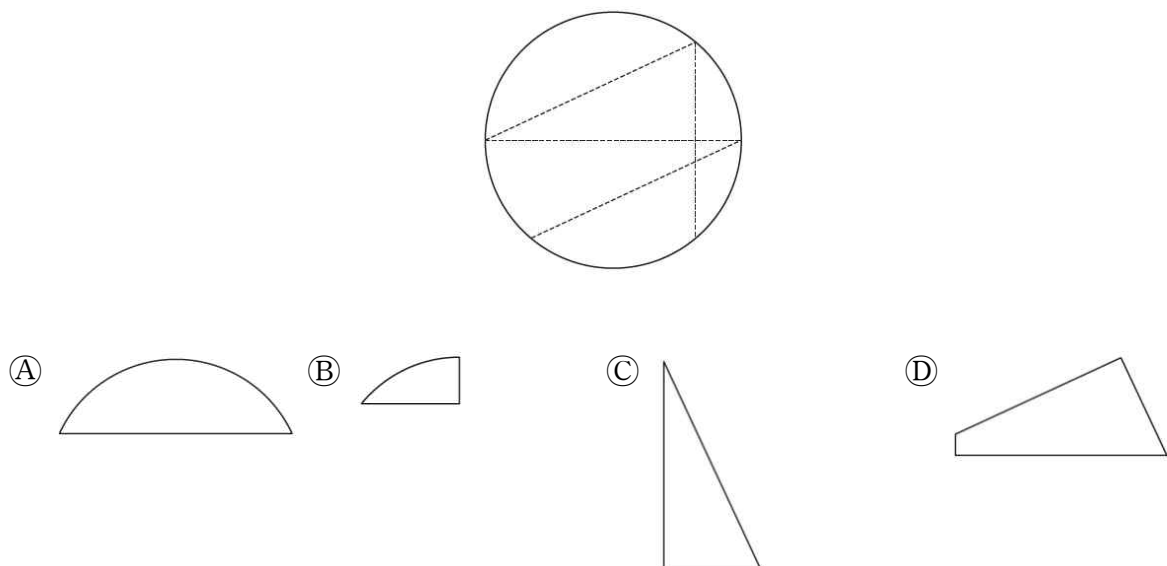
45. The following figure 1 is made using matchsticks. If we rearrange the matchsticks to create figure 2, by moving the fewest number of matchsticks possible, how many matchsticks do we need to move?

[4.3 points]



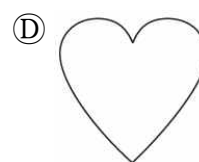
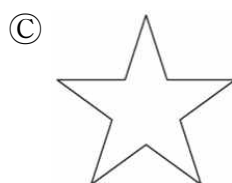
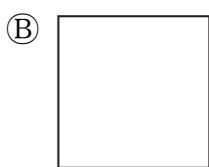
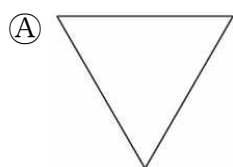
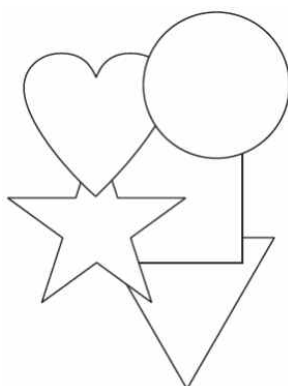
Answer : _____

46. When the circle is cut along the dotted lines, which shape is not made? [2.3 points]



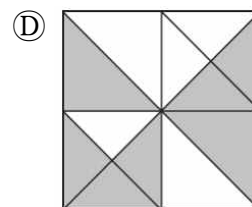
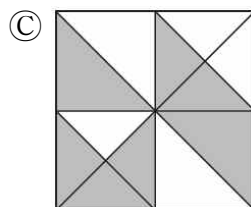
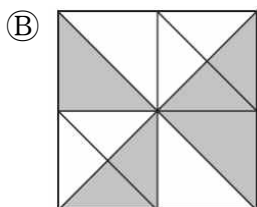
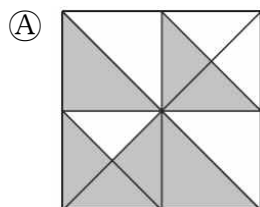
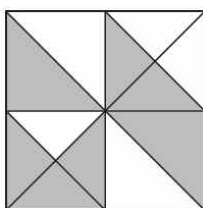
Answer : _____

47. You have placed five shapes on top of each other. Which shape is the second from the bottom? [3.3 points]



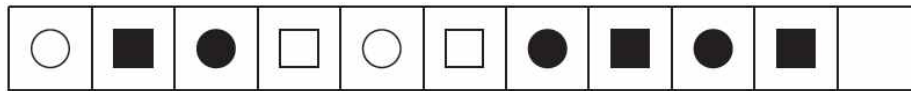
Answer : _____

48. Which figure on the bottom is the same as the one on the top. [2.3 points]



Answer : _____

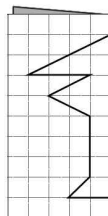
49. Which of the following figure continues the pattern below? [3.3 points]



- Ⓐ Ⓑ Ⓒ Ⓓ

Answer : _____

50. Below is a piece of paper folded in half. You will cut along the lines and then unfold it. Which of the following is the full shape that you will get? [4.3 points]



- Ⓐ Ⓑ Ⓒ Ⓓ

Answer : _____