

※ You can receive 1.5 points each for problems number 1 to 30.

1. Calculate the answer.

$$16 + 8 =$$

- ① 22
- ② 24
- ③ 26
- ④ 28
- ⑤ 30

2. Calculate the answer.

$$6 + 9 + 5 =$$

- ① 20
- ② 21
- ③ 22
- ④ 23
- ⑤ 24

3. Calculate the answer.

$$11 - 2 =$$

- ① 5
- ② 6
- ③ 7
- ④ 8
- ⑤ 9

4. Calculate the answer.

$$12 - 7 =$$

- ① 3
- ② 4
- ③ 5
- ④ 6
- ⑤ 7

5. Calculate the answer.

$$15 - 8 =$$

- ① 4
- ② 5
- ③ 6
- ④ 7
- ⑤ 8

6. Calculate the answer.

$$16 - 9 =$$

- ① 5
- ② 6
- ③ 7
- ④ 8
- ⑤ 9

7. Calculate the answer.

$$23 - 8 =$$

- ① 13
- ② 14
- ③ 15
- ④ 16
- ⑤ 17

8. Calculate the answer.

$$27 - 9 =$$

- ① 14
- ② 15
- ③ 16
- ④ 17
- ⑤ 18

9. Calculate the answer.

$$34 - 5 =$$

- ① 26
- ② 27
- ③ 28
- ④ 29
- ⑤ 30

10. Calculate the answer.

$$\begin{array}{r} 22 \\ - 7 \\ \hline \end{array}$$

- ① 15
- ② 16
- ③ 17
- ④ 18
- ⑤ 19

11. Calculate the answer.

$$\begin{array}{r} 31 \\ - 8 \\ \hline \end{array}$$

- ① 23
- ② 24
- ③ 25
- ④ 26
- ⑤ 27

12. Calculate the answer.

$$38 - 15 =$$

- ① 22
- ② 23
- ③ 24
- ④ 25
- ⑤ 26

13. Find the missing number.

$$\square + 9 = 14$$

- ① 1
- ② 2
- ③ 3
- ④ 4
- ⑤ 5

14. Find the missing number.

$$23 - \square = 17$$

- ① 6
- ② 7
- ③ 8
- ④ 9
- ⑤ 10

15. Find the missing number.

$$\square - 8 = 16$$

- ① 24
- ② 25
- ③ 26
- ④ 27
- ⑤ 28

16. Calculate the answer.

$$14 - 8 - 3 =$$

- ① 2
- ② 3
- ③ 4
- ④ 5
- ⑤ 6

17. Calculate the answer.

$$24 - 7 - 8 =$$

- ① 6
- ② 7
- ③ 8
- ④ 9
- ⑤ 10

18. Calculate the answer.

$$18 + 6 - 7 =$$

- ① 16
- ② 17
- ③ 18
- ④ 19
- ⑤ 20

19. Calculate the answer.

$$34 - 17 + 6 =$$

- ① 23
- ② 24
- ③ 25
- ④ 26
- ⑤ 27

20. Calculate the answer.

$$\begin{array}{r} 77 \\ + 54 \\ \hline \end{array}$$

- ① 130
- ② 131
- ③ 132
- ④ 133
- ⑤ 134

21. Calculate the answer.

$$\begin{array}{r} 36 \\ + 67 \\ \hline \end{array}$$

- ① 100
- ② 101
- ③ 102
- ④ 103
- ⑤ 104

22. Calculate the answer.

$$\begin{array}{r} 465 \\ + 38 \\ \hline \end{array}$$

- ① 491
- ② 492
- ③ 493
- ④ 502
- ⑤ 503

23. Calculate the answer.

$$\begin{array}{r} 513 \\ + 498 \\ \hline \end{array}$$

- ① 901
- ② 911
- ③ 1011
- ④ 1101
- ⑤ 1111

24. Calculate the answer.

$$\begin{array}{r} 75 \\ - 47 \\ \hline \end{array}$$

- ① 18
- ② 22
- ③ 28
- ④ 32
- ⑤ 38

25. Calculate the answer.

$$\begin{array}{r} 584 \\ - 87 \\ \hline \end{array}$$

- ① 477
- ② 484
- ③ 487
- ④ 494
- ⑤ 497

26. Calculate the answer.

$$\begin{array}{r} 805 \\ - 136 \\ \hline \end{array}$$

- ① 659
- ② 661
- ③ 669
- ④ 671
- ⑤ 679

27. Calculate the answer.

$$\begin{array}{r} 24 \\ \times 5 \\ \hline \end{array}$$

- ① 105
- ② 120
- ③ 125
- ④ 140
- ⑤ 145

28. Calculate the answer.

$$\begin{array}{r} 76 \\ \times 8 \\ \hline \end{array}$$

- ① 588
- ② 598
- ③ 604
- ④ 608
- ⑤ 614

29. Calculate the answer.

$$\begin{array}{r} 577 \\ \times 7 \\ \hline \end{array}$$

- ① 4039
- ② 4049
- ③ 4059
- ④ 4139
- ⑤ 4149

30. Calculate the answer.

$$\begin{array}{r} 86 \\ \times 73 \\ \hline \end{array}$$

- ① 6266
- ② 6268
- ③ 6276
- ④ 6278
- ⑤ 6288

※ You can receive 2.0 points each for problems number 31 to 40.

- 31.** There are 6 red balls and 9 blue balls in a box. How many red and blue balls are in the box?

_____ balls

- 32.** Emily bought 12 muffins and ate 4 of them. How many muffins does she have left?

_____ muffins

- 33.** There are 16 lollipops in a store. Jonathan bought 7 of these lollipops. How many lollipops are left in the store?

_____ lollipops

- 34.** Chloe made 20 cups of lemonade and sold 6 cups. How many cups of lemonade does she have left?

_____ cups

- 35.** Olivia has 26 marbles. She received 17 marbles from her friend. How many marbles does she now have in total?

_____ marbles

- 36.** Kevin had 21 balloons. Several of them burst, and now he has 15 balloons. How many balloons have popped?

_____ balloons

- 37.** Various kinds of flowers grow in a garden. There are 7 lilies, 5 tulips, and 8 daisies. How many flowers are there in the garden?

_____ flowers

- 38.** Steven bought 24 eggs. He broke 3 of them and used 4 to cook with. How many eggs are left?

_____ eggs

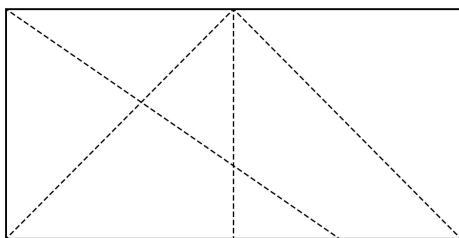
- 39.** Ellie had 197 books. She bought 14 more books at the bookstore. How many books does she now have in total?

_____ books

- 40.** Jaden collected 137 baseball cards. He then gave 49 baseball cards to his friend. How many baseball cards does he have left?

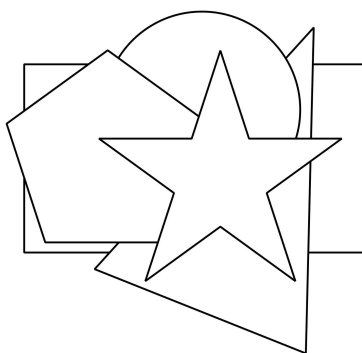
_____ baseball cards

- 41.** If you cut the rectangle below along the dotted lines, how many triangles will you get? [2.3 points]

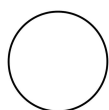


Answer : _____ triangles

- 42.** You have placed five shapes on top of one other. Which shape is the second from the bottom? [2.3 points]



①



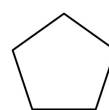
②



③



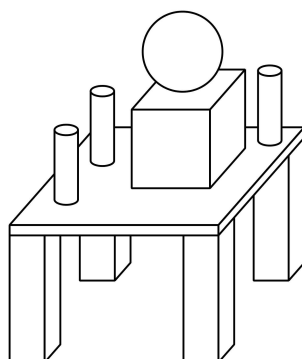
④



Answer : _____

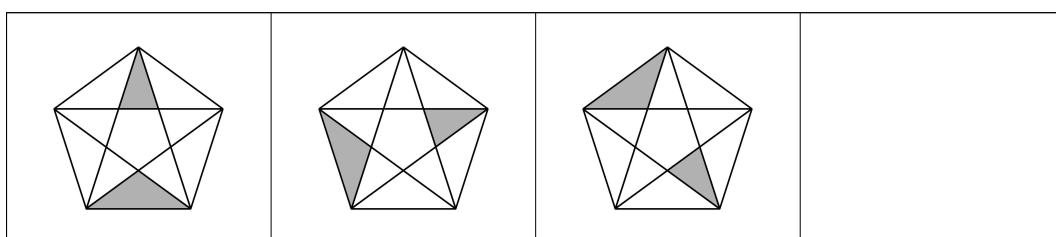
43. How many box-shaped figures are there in the following picture?

[3.3 points]

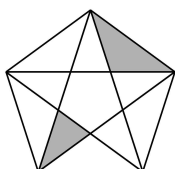


Answer : _____

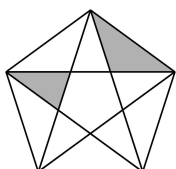
44. Look at the pattern of the figures below. Which figure belongs in the fourth box? [3.3 points]



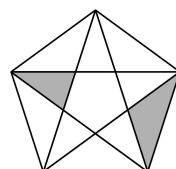
①



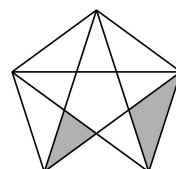
②



③

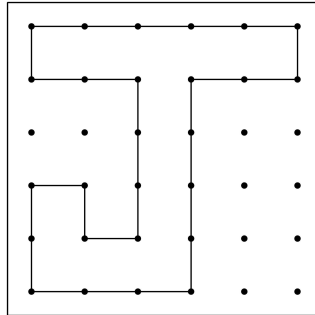


④



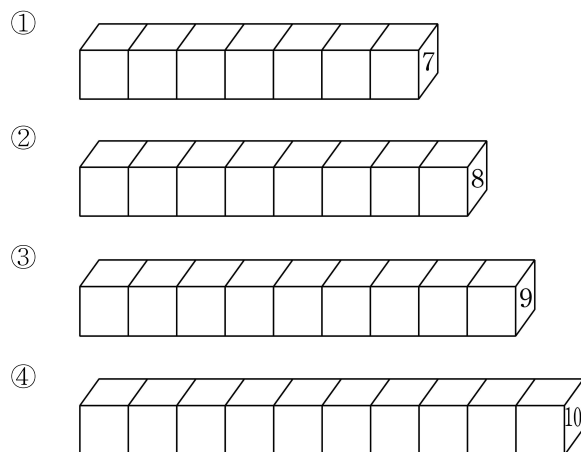
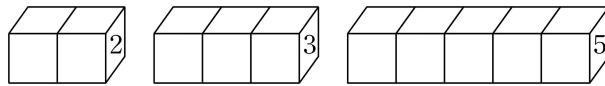
Answer : _____

45. How many  do you need to fill the following figure? [3.3 points]



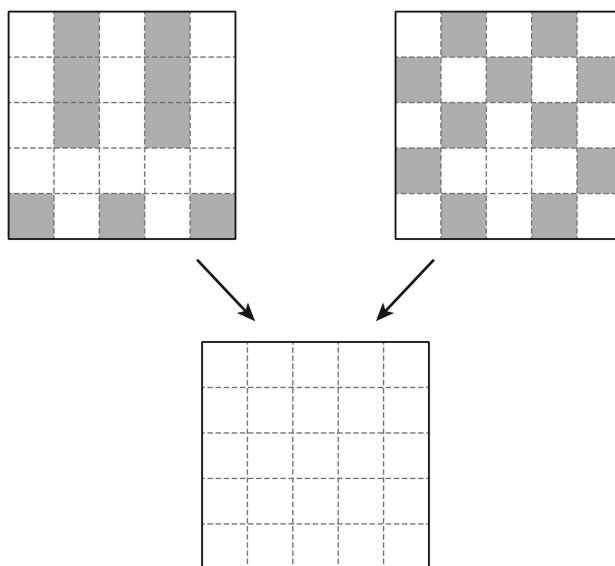
Answer : _____

46. Find the block length that you cannot create by attaching any of the three blocks given below. [3.3 points]



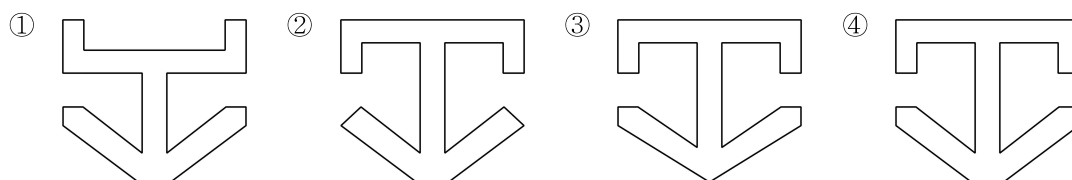
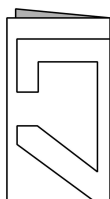
Answer : _____

47. You are going to shade the figure below by combining the two figures above. How many squares will you end up leaving blank? [4.3 points]



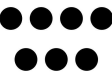
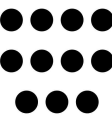
Answer : _____ squares

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



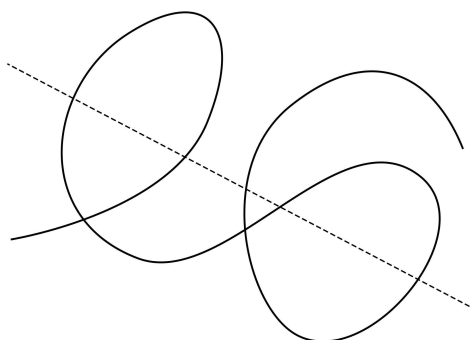
Answer : _____

49. Following the pattern, how many marbles need to be put in the sixth column? [4.3 points]

					
1	2	4	7	11	

Answer : _____ marbles

50. When you cut the string along the dotted line, how many pieces will be made? [4.3 points]



Answer : _____ pieces