

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

1. Calculate the answer.

$$\begin{array}{r} 39 \\ \times 7 \\ \hline \end{array}$$

- Ⓐ 253
- Ⓑ 266
- Ⓒ 273
- Ⓓ 286
- Ⓔ 293

2. Calculate the answer.

$$\begin{array}{r} 94 \\ \times 8 \\ \hline \end{array}$$

- Ⓐ 732
- Ⓑ 736
- Ⓒ 742
- Ⓓ 746
- Ⓔ 752

3. Calculate the answer.

$$\begin{array}{r} 27 \\ \times 76 \\ \hline \end{array}$$

- Ⓐ 2163
- Ⓑ 2052
- Ⓒ 1942
- Ⓓ 1873
- Ⓔ 1792

4. Calculate the answer.

$$\begin{array}{r} 83 \\ \times 19 \\ \hline \end{array}$$

- Ⓐ 1447
- Ⓑ 1482
- Ⓒ 1577
- Ⓓ 1597
- Ⓔ 1602

5. Calculate the answer.

$$\begin{array}{r} 292 \\ \times 88 \\ \hline \end{array}$$

- Ⓐ 24970
- Ⓑ 25696
- Ⓒ 26136
- Ⓓ 26790
- Ⓔ 27316

6. Calculate the answer.

$$\begin{array}{r} 818 \\ \times 304 \\ \hline \end{array}$$

- Ⓐ 248672
- Ⓑ 250302
- Ⓒ 255062
- Ⓓ 260872
- Ⓔ 266582

7. Calculate the answer.

$$8 \overline{) 61}$$

- Ⓐ 6 3
- Ⓑ 6 5
- Ⓒ 7 3
- Ⓓ 7 5
- Ⓔ 7 7

8. Calculate the answer.

$$2 \overline{) 31}$$

- Ⓐ 14 1
- Ⓑ 15 0
- Ⓒ 15 1
- Ⓓ 16 0
- Ⓔ 16 1

9. Calculate the answer.

$$3 \overline{) 35}$$

- Ⓐ 13 1
- Ⓑ 12 2
- Ⓒ 12 1
- Ⓓ 11 2
- Ⓔ 11 1

10. Calculate the answer.

$$3 \overline{) 47}$$

- Ⓐ 13 2
- Ⓑ 14 1
- Ⓒ 14 2
- Ⓓ 15 1
- Ⓔ 15 2

11. Calculate the answer.

$$5 \overline{) 57}$$

- Ⓐ 11 0
- Ⓑ 11 1
- Ⓒ 11 2
- Ⓓ 12 1
- Ⓔ 12 2

12. Calculate the answer.

$$4 \overline{) 63}$$

- Ⓐ 14 1
- Ⓑ 14 3
- Ⓒ 15 1
- Ⓓ 15 3
- Ⓔ 16 1

13. Calculate the answer.

$$6 \overline{) 76}$$

- Ⓐ 12 0
- Ⓑ 12 2
- Ⓒ 12 4
- Ⓓ 13 0
- Ⓔ 13 2

14. Calculate the answer.

$$7 \overline{) 98}$$

- Ⓐ 15 3
- Ⓑ 15 1
- Ⓒ 14 2
- Ⓓ 14 1
- Ⓔ 14 0

15. Calculate the answer.

$$6 \overline{) 93}$$

- Ⓐ 15 3
- Ⓑ 15 5
- Ⓒ 16 1
- Ⓓ 16 3
- Ⓔ 16 5

16. Calculate the answer.

$$3 \overline{) 79}$$

- Ⓐ 25 0
- Ⓑ 25 1
- Ⓒ 26 0
- Ⓓ 26 1
- Ⓔ 27 0

17. Calculate the answer.

$$5 \overline{) 87}$$

- Ⓐ 17 2
- Ⓑ 17 4
- Ⓒ 18 2
- Ⓓ 18 4
- Ⓔ 19 2

18. Calculate the answer.

$$4 \overline{) 561}$$

- Ⓐ 141 3
- Ⓑ 141 1
- Ⓒ 140 3
- Ⓓ 140 1
- Ⓔ 139 3

19. Calculate the answer.

$$8 \overline{) 934}$$

- Ⓐ 116 2
- Ⓑ 116 4
- Ⓒ 116 6
- Ⓓ 122 4
- Ⓔ 122 6

20. Calculate the answer.

$$9 \overline{) 4903}$$

- Ⓐ 544 3
- Ⓑ 544 7
- Ⓒ 552 5
- Ⓓ 552 8
- Ⓔ 558 1

21. Calculate the answer.

$$27 \overline{) 455}$$

- Ⓐ 14 5
- Ⓑ 14 17
- Ⓒ 16 15
- Ⓓ 16 23
- Ⓔ 18 19

22. Calculate the answer.

$$16 \overline{) 760}$$

- Ⓐ 51 14
- Ⓑ 50 0
- Ⓒ 49 6
- Ⓓ 48 12
- Ⓔ 47 8

23. Calculate the answer.

$$47 \overline{) 959}$$

- Ⓐ 20 19
- Ⓑ 20 41
- Ⓒ 21 2
- Ⓓ 21 34
- Ⓔ 22 25

24. Calculate the answer.

$$7 + 3 \times 6 - 64 \div 8$$

- Ⓐ 16
- Ⓑ 17
- Ⓒ 18
- Ⓓ 19
- Ⓔ 20

25. Calculate the answer.

$$92 - 24 \times 3 + 72 \div 9$$

- Ⓐ 25
- Ⓑ 26
- Ⓒ 27
- Ⓓ 28
- Ⓔ 29

26. Calculate the answer.

$$112 \div (12 + (31 - 23) \times 2)$$

- Ⓐ 4
- Ⓑ 5
- Ⓒ 6
- Ⓓ 7
- Ⓔ 8

27. Calculate the answer.

$$3\frac{11}{15} + 2\frac{8}{15}$$

- Ⓐ $5\frac{1}{15}$
- Ⓑ $5\frac{4}{15}$
- Ⓒ $5\frac{7}{15}$
- Ⓓ $6\frac{1}{15}$
- Ⓔ $6\frac{4}{15}$

28. Calculate the answer.

$$6\frac{3}{17} - 2\frac{8}{17}$$

- Ⓐ $3\frac{5}{17}$
- Ⓑ $3\frac{9}{17}$
- Ⓒ $3\frac{12}{17}$
- Ⓓ $4\frac{11}{17}$
- Ⓔ $4\frac{16}{17}$

29. Calculate the answer.

$$\begin{array}{r} 3.65 \\ + 2.7 \\ \hline \end{array}$$

- Ⓐ 5.35
- Ⓑ 5.37
- Ⓒ 6.33
- Ⓓ 6.35
- Ⓔ 6.37

30. Calculate the answer.

$$\begin{array}{r} 6.4 \\ - 2.87 \\ \hline \end{array}$$

- Ⓐ 3.53
- Ⓑ 3.67
- Ⓒ 3.73
- Ⓓ 4.57
- Ⓔ 4.63

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

- 31.** There are 13 apples, and there are 9 more oranges than apples. How many pieces of fruit are there in total?

_____ pieces of fruit

- 32.** 8 relay teams participated in a track-and-field meet. Each relay team was made up of 4 people. How many people competed in the relay event?

_____ people

- 33.** 6 people can sit in each car of an amusement ride. If there are 22 cars with 6 people in each car, how many people are on the ride?

_____ people

- 34.** 13 pieces of candy are packed in each box. If there are 49 boxes, how many pieces of candy are there in total?

_____ pieces of candy

- 35.** Norah has 24 melons. If she wants to put 4 melons in each box, how many boxes does she need in total?

_____ boxes

- 36.** Odin has 96 roses. If one vase can hold 6 roses, how many vases will he need to hold all of the roses?

_____ vases

- 37.** 153 chocolates were equally distributed among 17 students. How many chocolates did each student receive?

_____ chocolates

- 38.** It takes 57g of cotton to make one doll. How many dolls can be made with 800g of cotton?

_____ dolls

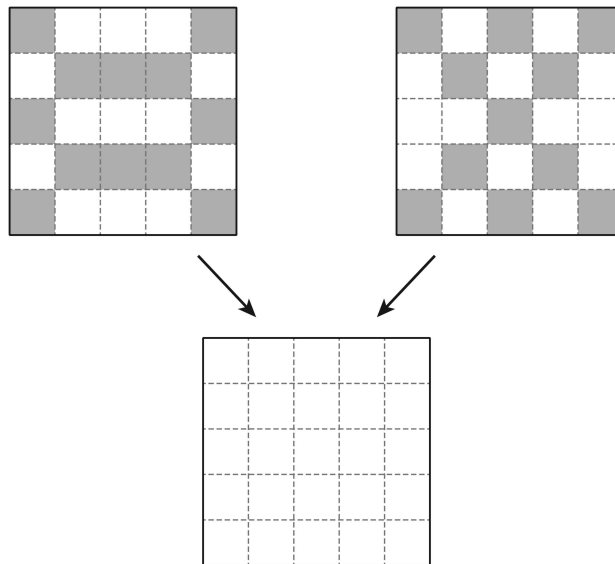
- 39.** Paisley bought 8 notebooks that cost \$18 for 6, and 7 ballpoint pens that cost \$10 for 5. How much did she have to pay?

\$ _____

- 40.** Quade goes to a bakery from her home, and then she goes to a bookstore. She comes back home afterwards. The distance from her home to the bakery is $1\frac{6}{7}$ km, the distance from bakery to the bookstore is $2\frac{3}{7}$ km, and the distance from bookstore to her home is $3\frac{5}{7}$ km. What is the total distance Quade has traveled?

_____ km

41. Combine the two figures below to create a new figure. How many squares are not colored in the new figure? [2.3 points]



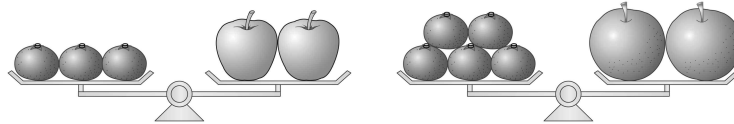
Answer : _____ squares

42. If the numbers in each row are related in a certain way, 'Yes' is written as the Decision. If the numbers in each row are not related in that way, 'No' is written as the Decision. What is the missing number in the blank? [3.3 points]

A	B	C	Decision
1	2	3	Yes
3	1	4	Yes
4	2	6	No
2	3	7	Yes
5	3		Yes

Answer : _____

43. 3 tangerines have the same weight as 2 apples, and 5 tangerines have the same weight as 2 pears. When an apple weighs 180g, how much does a pear weigh? [4.3 points]

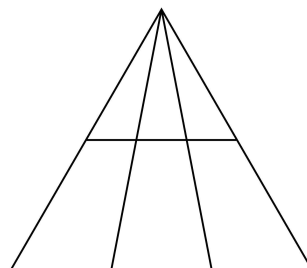


Answer : _____ g

44. Fence posts are to be placed around a rectangular paddock with a length of 180 m and a width of 60 m. The fence posts are to be placed 3 m apart. How many fence posts will be needed? (The thickness of the fence posts should not be considered.) [4.3 points]

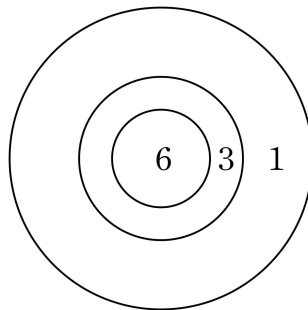
Answer : _____ fence posts

45. What is the total number of triangles you can find in the figure below? [4.3 points]



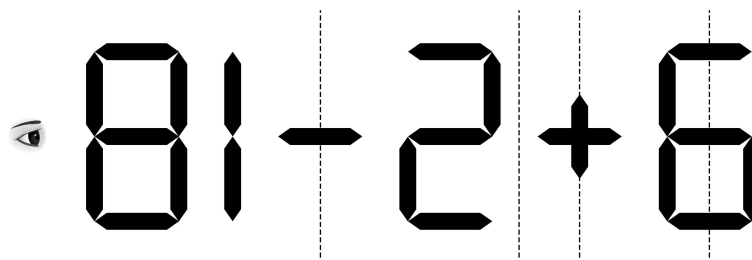
Answer : _____

46. Erica shot 3 arrows and all 3 arrows hit the target. What is the sum of all the scores that Erica could not get between 7 to 15? [3.3 points]



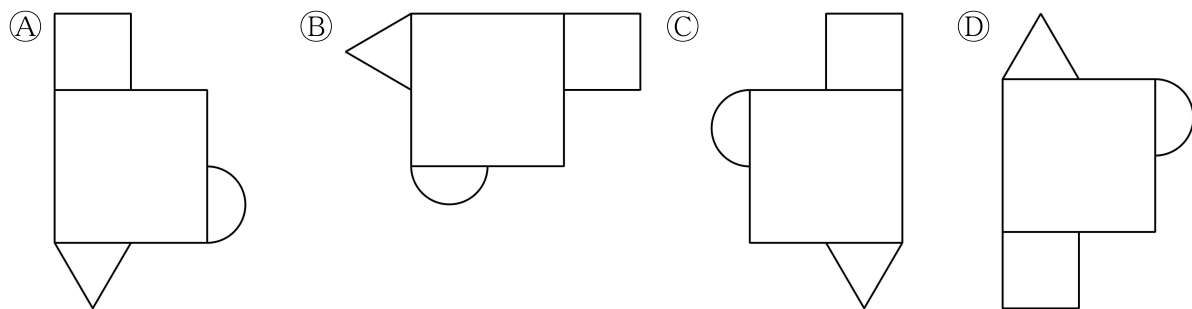
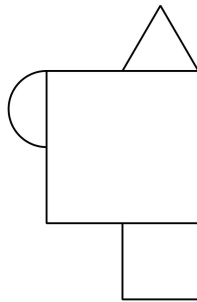
Answer : _____

47. What is the maximum value that can occur as a result of the calculation when a mirror is positioned along one of the dotted lines? [3.3 points]



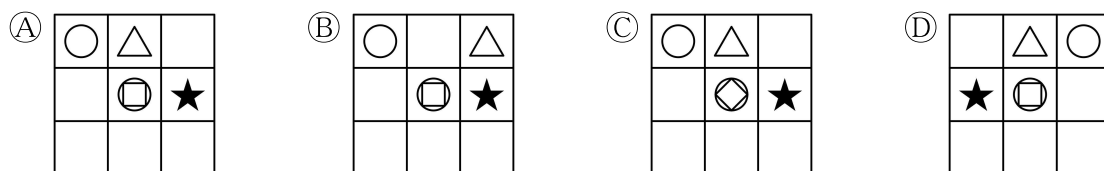
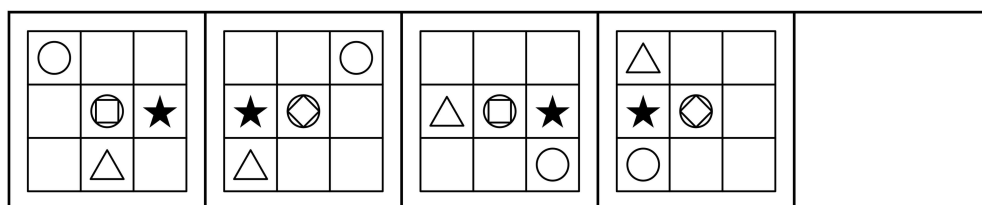
Answer : _____

48. Which of the following figures cannot be created by rotating or reflecting the given figure? [2.3 points]



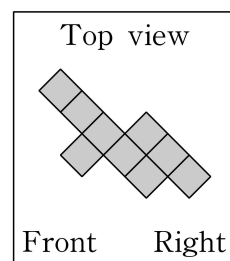
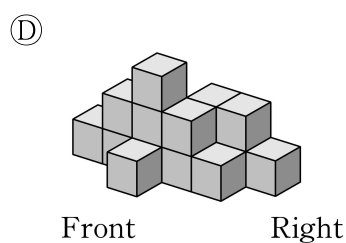
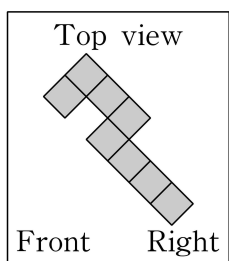
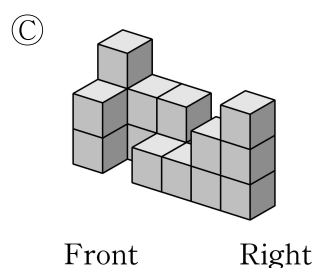
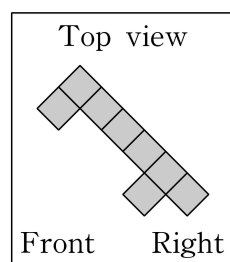
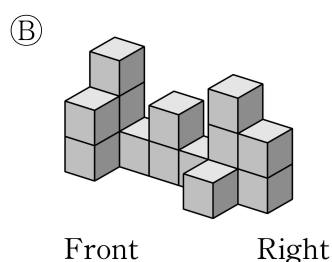
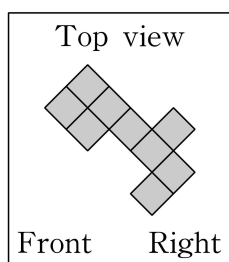
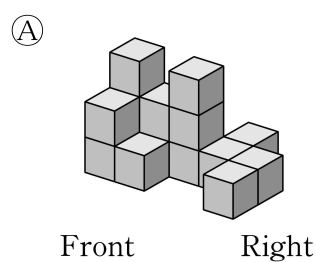
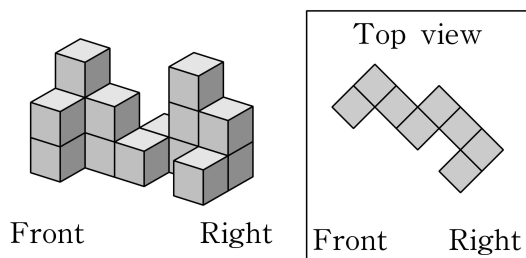
Answer : _____

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



Answer : _____

50. Which of the following figures differs in the number of blocks from the given figure? [4.3 points]



Answer : _____