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

1. Calculate the answer.

$$\begin{array}{r} 8\ 2 \\ +\ 4\ 1 \\ \hline \end{array}$$

Ⓐ 103
Ⓑ 113
Ⓒ 123
Ⓓ 133
Ⓔ 143

2. Calculate the answer.

$$\begin{array}{r} 2\ 6 \\ +\ 9\ 5 \\ \hline \end{array}$$

Ⓐ 101
Ⓑ 105
Ⓒ 111
Ⓓ 116
Ⓔ 121

3. Calculate the answer.

$$\begin{array}{r} 3\ 8\ 4 \\ +\ \ 5\ 7 \\ \hline \end{array}$$

Ⓐ 441
Ⓑ 447
Ⓒ 451
Ⓓ 454
Ⓔ 461

4. Calculate the answer.

$$\begin{array}{r} 4\ 5\ 4 \\ +\ 2\ 3\ 5 \\ \hline \end{array}$$

Ⓐ 664
Ⓑ 665
Ⓒ 679
Ⓓ 689
Ⓔ 695

5. Calculate the answer.

$$\begin{array}{r} 2\ 4\ 6 \\ +\ 5\ 2\ 1 \\ \hline \end{array}$$

Ⓐ 767
Ⓑ 761
Ⓒ 757
Ⓓ 751
Ⓔ 747

6. Calculate the answer.

$$\begin{array}{r} 3\ 8\ 5 \\ +\ 7\ 7\ 8 \\ \hline \end{array}$$

Ⓐ 1152
Ⓑ 1163
Ⓒ 1173
Ⓓ 1262
Ⓔ 1273

7. Calculate the answer.

$$\begin{array}{r} 8\ 4 \\ -\quad 8 \\ \hline \end{array}$$

Ⓐ 76
Ⓑ 74
Ⓒ 68
Ⓓ 66
Ⓔ 64

8. Calculate the answer.

$$\begin{array}{r} 5\ 1 \\ -\ 3\ 5 \\ \hline \end{array}$$

Ⓐ 19
Ⓑ 18
Ⓒ 17
Ⓓ 16
Ⓔ 15

9. Calculate the answer.

$$\begin{array}{r} 6\ 2 \\ -\ 2\ 8 \\ \hline \end{array}$$

Ⓐ 23
Ⓑ 24
Ⓒ 32
Ⓓ 33
Ⓔ 34

10. Calculate the answer.

$$\begin{array}{r} 9\ 5 \\ -\ 5\ 7 \\ \hline \end{array}$$

Ⓐ 28
Ⓑ 32
Ⓒ 38
Ⓓ 42
Ⓔ 48

11. Calculate the answer.

$$18 - 9 - 2 =$$

Ⓐ 4
Ⓑ 5
Ⓒ 6
Ⓓ 7
Ⓔ 8

12. Calculate the answer.

$$41 - 4 - 9 =$$

Ⓐ 27
Ⓑ 28
Ⓒ 29
Ⓓ 30
Ⓔ 31

13. Calculate the answer.

$$44 + 37 - 33 =$$

Ⓐ 46
Ⓑ 47
Ⓒ 48
Ⓓ 49
Ⓔ 50

14. Calculate the answer.

$$75 - 8 - 49 =$$

Ⓐ 18
Ⓑ 19
Ⓒ 20
Ⓓ 21
Ⓔ 22

15. Calculate the answer.

$$\begin{array}{r} 8\,8\,6 \\ -\ 3\,6\,1 \\ \hline \end{array}$$

Ⓐ 505
Ⓑ 514
Ⓒ 515
Ⓓ 524
Ⓔ 525

16. Calculate the answer.

$$\begin{array}{r} 7\,5\,4 \\ -\ 3\,3\,7 \\ \hline \end{array}$$

Ⓐ 407
Ⓑ 411
Ⓒ 417
Ⓓ 421
Ⓔ 427

17. Calculate the answer.

$$\begin{array}{r} 5\,1\,7 \\ -\ 1\,3\,8 \\ \hline \end{array}$$

Ⓐ 375
Ⓑ 379
Ⓒ 385
Ⓓ 389
Ⓔ 395

18. Calculate the answer.

$$\begin{array}{r} 8\,1\,3 \\ -\ 5\,3\,5 \\ \hline \end{array}$$

Ⓐ 268
Ⓑ 272
Ⓒ 278
Ⓓ 282
Ⓔ 288

19. Calculate the answer.

$$\begin{array}{r} 7\,8\,0\,4 \\ -\ 3\,3\,2\,5 \\ \hline \end{array}$$

Ⓐ 4479
Ⓑ 4489
Ⓒ 4495
Ⓓ 4509
Ⓔ 4515

20. Calculate the answer.

$$\begin{array}{r} 2\,7 \\ \times\quad 7 \\ \hline \end{array}$$

Ⓐ 169
Ⓑ 174
Ⓒ 179
Ⓓ 184
Ⓔ 189

21. Calculate the answer.

$$\begin{array}{r} 5\,4 \\ \times\quad 9 \\ \hline \end{array}$$

Ⓐ 476
Ⓑ 483
Ⓒ 486
Ⓓ 493
Ⓔ 496

22. Calculate the answer.

$$\begin{array}{r} 7\,3 \\ \times\quad 5 \\ \hline \end{array}$$

Ⓐ 345
Ⓑ 348
Ⓒ 355
Ⓓ 358
Ⓔ 365

23. Calculate the answer.

$$\begin{array}{r} 9\,2 \\ \times\quad 6 \\ \hline \end{array}$$

Ⓐ 548
Ⓑ 552
Ⓒ 558
Ⓓ 562
Ⓔ 568

24. Calculate the answer.

$$\begin{array}{r} 4\,2\,6 \\ \times\quad\ 8 \\ \hline \end{array}$$

Ⓐ 3158
Ⓑ 3264
Ⓒ 3388
Ⓓ 3408
Ⓔ 3514

25. Calculate the answer.

$$\begin{array}{r} 7\ 3 \\ \times\ \ 2\ 6 \\ \hline \end{array}$$

Ⓐ 1898
Ⓑ 1939
Ⓒ 1978
Ⓓ 2029
Ⓔ 2148

26. Calculate the answer.

$$\begin{array}{r} 6\ 4\ 5 \\ \times\ \ \ 6\ 4 \\ \hline \end{array}$$

Ⓐ 40960
Ⓑ 41085
Ⓒ 41280
Ⓓ 42235
Ⓔ 42830

27. Calculate the answer.

$59 \div 9 =$

Ⓐ 6 …… 5
Ⓑ 6 …… 3
Ⓒ 6 …… 1
Ⓓ 5 …… 7
Ⓔ 5 …… 5

28. Calculate the answer.

$8\overline{)7\ 5}$

Ⓐ 8 …… 1
Ⓑ 8 …… 4
Ⓒ 9 …… 1
Ⓓ 9 …… 3
Ⓔ 9 …… 5

29. Calculate the answer.

$57\overline{)4\ 8\ 7}$

Ⓐ 7 …… 11
Ⓑ 7 …… 27
Ⓒ 8 …… 10
Ⓓ 8 …… 24
Ⓔ 8 …… 31

30. Calculate the answer.

$42\overline{)9\ 2\ 0}$

Ⓐ 21 …… 10
Ⓑ 21 …… 38
Ⓒ 22 …… 18
Ⓓ 22 …… 32
Ⓔ 23 …… 28

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

31. There are 32 cars parked in a parking lot. Then, 9 of them leave. How many cars are left in the parking lot now?

_____ cars

32. Gloria had 21 balloons. 13 of them flew away. How many balloons were left?

_____ balloons

33. There are 37 goldfish in a fish tank. Hani put 26 more goldfish into the fish tank. How many goldfish are now in the fish tank?

_____ goldfish

34. There are 168 flowers in a garden. Isaac plants 45 more flowers. How many flowers are there now in the garden then?

_____ flowers

35. Jenna collected 273 animal stickers last year. She has collected 148 more animal stickers this year. How many animal stickers has Jenna collected in total?

_____ animal stickers

36. Kale, Layla, and Mason are making paper cranes. Kale has made 24, Layla has made 18, and Mason has made 9. How many paper cranes have been made by Kale, Layla, and Mason in total?

_____ paper cranes

37. There were 918 pieces of candy in a supermarket. Among them, 169 pieces of candy have been sold today. How many pieces of candy are left?

_____ pieces of candy

38. There are 16 pencils in each pencil case. How many pencils are there in 8 pencil cases?

_____ pencils

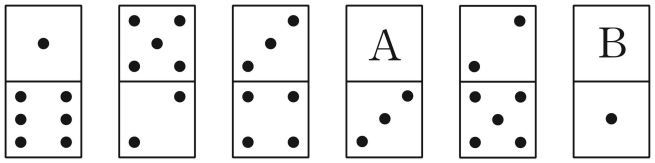
39. There were 9 buses full of passengers. Each bus can carry 28 passengers each. How many passengers were on all of these buses in total?

_____ passengers

40. 75 cubes are needed to assemble one model pyramid. How many cubes are needed to assemble 12 model pyramids?

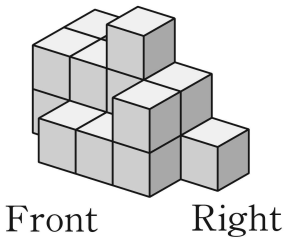
_____ cubes

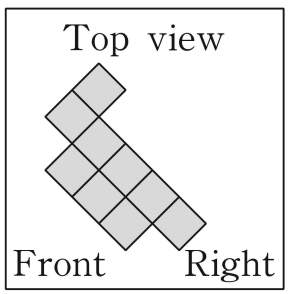
41. Look at the pattern of dots on the dominoes. A and B represent the number of dots on the dominoes. What is the product of A and B? [2.3 points]



Answer : _____

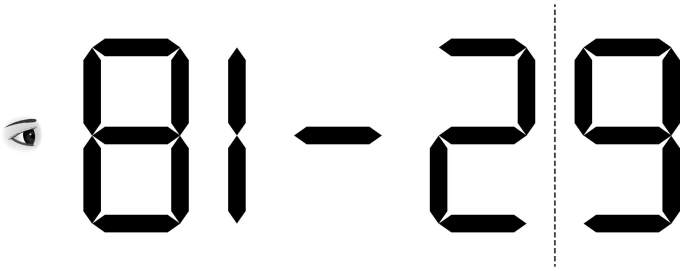
42. Look at the set of blocks below and find the number of blocks used. [3.3 points]





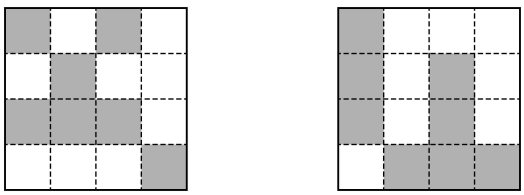
Answer : _____

43. When a mirror is placed on the dotted line, calculate the mathematical expression you will see. [4.3 points]



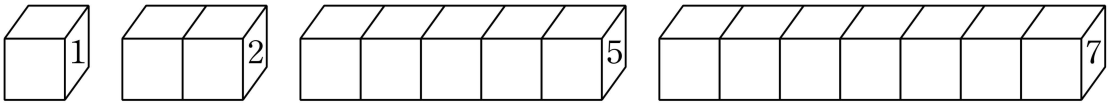
Answer : _____

44. The following two figures can be rotated and combined to make a new figure. Find the combination that creates the largest number of shaded boxes. How many shaded boxes will there be? [4.3 points]



Answer : _____ shaded boxes

45. The four blocks below can be used to create different lengths. What is the sum of the lengths between 1 to 15 that cannot be created using these blocks? [4.3 points]



Answer : _____

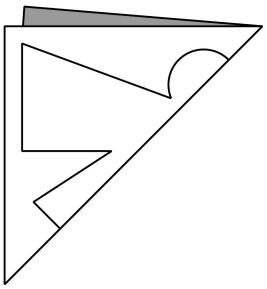
46. In this pattern, the sequence increases by 8 in each step. What is the sum of A and B? [3.3 points]

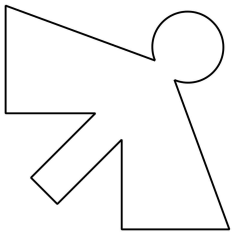
A	33	41	B	57

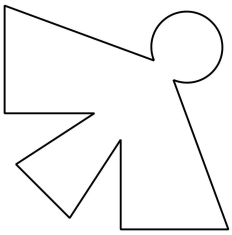
Ⓐ 64 Ⓑ 67 Ⓒ 72 Ⓓ 74

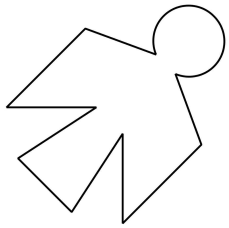
Answer : _____

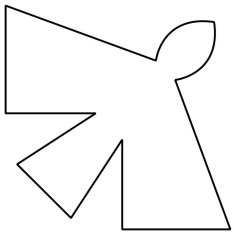
47. Below is a piece of paper folded in half. Which of the following is the full shape that you will get when you unfold the paper? [3.3 points]



Ⓐ 

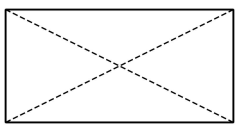
Ⓑ 

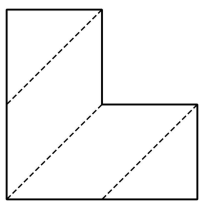
Ⓒ 

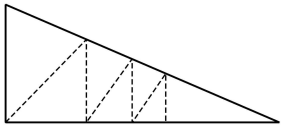
Ⓓ 

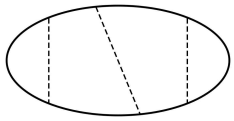
Answer : _____

48. When cut along the dotted lines, which option will not produce pieces of the same shape and size? [2.3 points]

Ⓐ 

Ⓑ 

Ⓒ 

Ⓓ 

Answer : _____

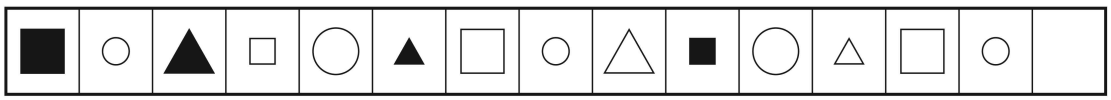
49. Angela, Brody, Carina, and Dylan each raises either a dog, cat, parrot, or goldfish. They all have different animals. Find out which animal Dylan has from the statements below. [3.3 points]

Angela : The animal I raise has four legs. Brody : I often take a walk with my dog. Carina : The animal I raise lives in water.

Ⓐ dog Ⓑ cat Ⓒ parrot Ⓓ goldfish

Answer : _____

50. Which of the following figures fits in the blank according to the pattern below? [4.3 points]



Ⓐ ▲ Ⓑ ○ Ⓒ △ Ⓓ △

Answer : _____