X1 score

1 (D) $4,302 + 649 - 1,087 = ?$

(A) 4,951 (B) 4,740 (C) 4,071 (D) 3,864 (E) 3,684

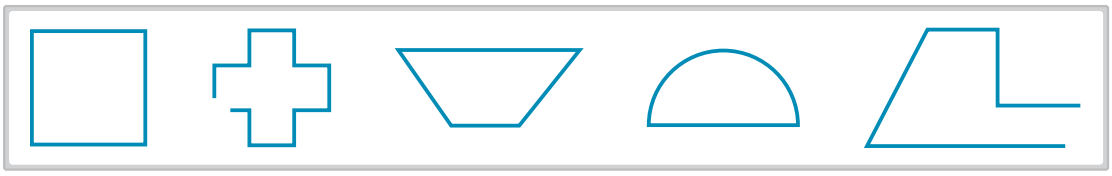
X2 score

2 (A) $16 \times 3 = x$, $7 \times 5 + 9 = y$, $x + y = ?$

(A) 92 (B) 82 (C) 48 (D) 44 (E) 4

X3 score

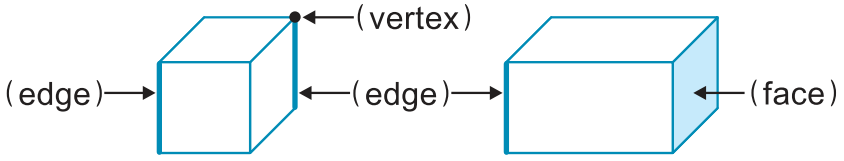
3 (C) Of the shapes, how many shapes have perimeters?



(A) 1 (B) 2 (C) 3 (D) 4 (E) 5 shapes

X4 score

4 (A) The cube and rectangular prism below have been labelled with vertex, face and edge. How many labels are correct?



(A) All correct (B) 1 label (C) 2 labels (D) 3 labels (E) All incorrect

X5 score

5 (C) Which statement is wrong about the number 35.8?

(A) It's read as "thirty five point eight".

(B) It's a sum of 35 ones and 8 zero point ones.

(C) The number 8 is at the tens place.

(D) It's 0.8 more than 35.

(E) It's 2 zero point ones less than 36.

X6 score

6 (E) Which is read correctly?

(A) *80,008* ➡ Eighty eight thousand
(B) *800,080* ➡ Eight hundred thousand and eight
(C) *80,080* ➡ Eight hundred and eighty
(D) *88,080* ➡ Eight hundred, eighty thousand, and eighty
(E) *80,808* ➡ Eighty thousand, eight hundred, and eight

X7 score

7 (B) Find the picture that's different from the rest.

(A) 
(B) 
(C) 
(D) 
(E) 

X8 score

8 (A) There are 7 nickels (5-cent coins). Which is wrong?

(A) $5 \times 7 = 35$ (B) $7 \times 5 = 35$ (C) 7 times 5
(D) 7 coins of 5 cents (E) $5 + 5 + 5 + 5 + 5 + 5 + 5 = 35$

X9 score

9 (C) Of the numbers below, which number would be *300* more than the original number if we changed the " 4 " in the number to a " 7 " ?

(A) *91,314* (B) *14,523* (C) *56,431* (D) *19,643* (E) *40,217*

X10 score

10 (E) Which statement is correct?

(A) *2* weeks and *3* days are *15* days
(B) *7,100* mm = *71* m
(C) *420* cm > *407* m
(D) There are only *28* days in February
(E) From *9*:*41* am to *10*:*16* am, *35* minutes pass.

More questions are on the next page.

X11 score

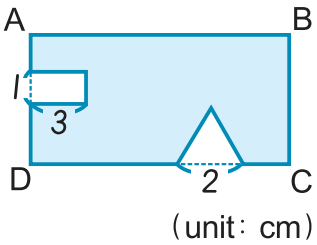
11 (B) Susan is 12 years older than Ken. Mary is 11 years older than Susan. If Mary is 28 years old this year, how old is Ken this year?
(A) (28 − 11) + 12 (B) (28 − 11)− 12 (C) (28 + 11) − 12
(D) (28 + 11) + 12 (E) (28 − 12) + 11

X12 score

12 (B) If $P + Q + R = 20$, $P + P + Q = 24$, $Q + P = 15$, what is $P - Q + R$?
(A) 7 (B) 8 (C) 9 (D) 10 (E) 11

X13 score

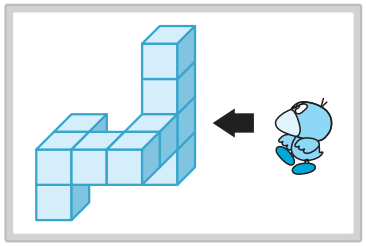
13 (D) As the picture shows, the perimeter of rectangle ABCD is 40 cm. If we cut out a rectangle and a regular triangle from the rectangle ABCD, what will the perimeter be?
(A) 43 (B) 44 (C) 46 (D) 48 (E) 50 cm

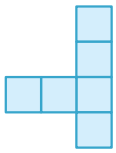
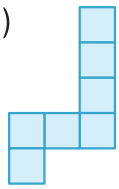
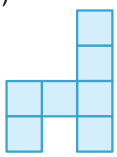
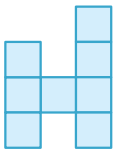
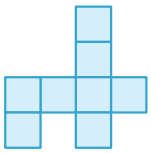


(unit: cm)

X14 score

14 (C) What does  see?



(A) 
(B) 
(C) 
(D) 
(E) 

X15 score

15 (E) Today is Friday. 27 days before today would be a ( ).
(A) Sunday (B) Monday (C) Tuesday (D) Wednesday
(E) Saturday

X16 score

16 (D) Bottle A can be filled with 2 ℓ and 150 $m\ell$ of water.
Bottle B can be filled with 750 $m\ell$ of water.
If we fill bottle B up and pour it all into bottle A, how much more water can we put into bottle A before it overflows?
(A) 750 $m\ell$ (B) 900 $m\ell$ (C) 1,250 $m\ell$ (D) 1,400 $m\ell$ (E) 2,900 $m\ell$

The students of class A vote on where to go for their field trip.
There are 32 students and each student gets 1 vote.
Use the table to answer questions 17 ~ 18 :

Aquarium	Farm	Amusement park	Museum
𝍸 𝍸	𝍸	𝍸 𝍸	𝍸 𝍸

X17 score

17 (C) How many students voted to go to the amusement park?
(A) 10 (B) 11 (C) 12 (D) 13 (E) 14 students

X18 score

18 (E) What's the difference in votes for the place with the most votes and the place with the least votes?
(A) 5 (B) 6 (C) 7 (D) 8 (E) 9 students

X19 score

19 (E) There are three numbers, X, Y, and Z. X is bigger than Y by $\frac{3}{10}$, but smaller than Z by 0.9. If X = 7.2, what is X + Y + Z?
(A) 8.4 (B) 13.8 (C) 15 (D) 21.6 (E) 22.2

X20 score

20 (C) Look at the pattern. What is x?

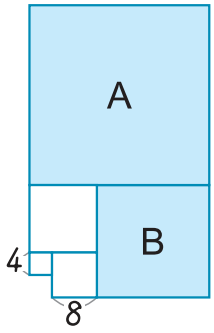
$$\frac{1}{4}, \frac{4}{8}, \frac{7}{12}, \frac{10}{16}, x, \frac{16}{24}, \frac{19}{28}, \frac{22}{32}$$

(A) $\frac{11}{18}$ (B) $\frac{13}{18}$ (C) $\frac{13}{20}$ (D) $\frac{14}{20}$ (E) $\frac{13}{22}$

More questions are on the next page.

X21 score

21 (E) The figure on the right is made of squares. What's the area of A and B together?
(A) 544 (B) 1,024 (C) 1,168 (D) 1,248
(E) 1,424 cm^2

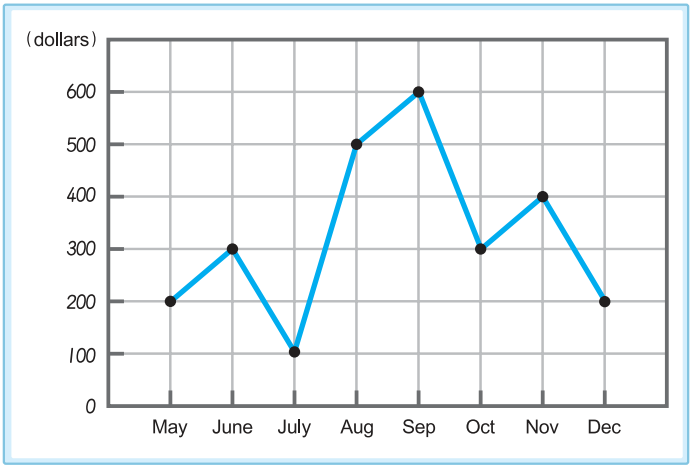


(unit: cm)

The graph shows Kelly's spending from May to December. Use the graph to answer questions 22 ~ 24.

X22 score

22 (B) Between which months did Kelly's spending increase the most?
(A) May–June
(B) July–Aug
(C) Aug–Sep
(D) Sep–Oct
(E) Nov–Dec



X23 score

23 (E) What's the difference in spending between the month when Kelly spent the most money and the month she spent the least?
(A) 100 (B) 200 (C) 300 (D) 400 (E) 500 dollars

X24 score

24 (A) From May to December, how much money did Kelly spend in total?
(A) 26 (B) 27 (C) 28 (D) 29 (E) 30 hundred dollars

X25 score

25 (A) If $13 + 14 + 15 + \cdots\cdots + 24 + 25 = 247$, then $43 + 44 + 45 + \cdots\cdots + 54 + 55 = ?$
(A) 637 (B) 647 (C) 657 (D) 667 (E) 677

X26 score

26 (E) The red beans and soy beans weigh 780g. The soy beans and green beans weigh 840g. The red beans and green beans weigh 1,000g. How much do all the beans weigh together?
(A) 2,620 (B) 1,840 (C) 1,780 (D) 1,620 (E) 1,310 g

X27 score

27 (B) From **26**, what's the difference in weight between the red and green beans?
(A) 50 (B) 60 (C) 120 (D) 160 (E) 220 g

X28 score

28 (B) There are 6 numbers on the blackboard :
204, **83**, **365**, **572**, **42** and **452**. The teacher sorts these numbers into two groups where the sum of each group is the same. Which two numbers are in the same group as 204?
(A) 83, 365 (B) 83, 572 (C) 572, 42 (D) 365, 452 (E) 42, 452

X29 score

29 (B) Sam has some apples. After eating 5, he sorts the rest into boxes of 7 apples each. He packs 8 boxes and has 6 apples left. If Sam only eats 2 apples instead of the 5 he ate at first, how many apples will be left if he packs 8 into a box?
(A) 0 (B) 1 (C) 2 (D) 3 (E) 4 apple(s)

X30 score

30 (D) Along a 285 m road, a tree is planted every 15 m (there's also a tree at each end of the road). Between each tree, flowers are planted 3 m apart (the distance between a tree and a flower is 3 m). How many flowers are there?
(A) 45 (B) 57 (C) 60 (D) 76 (E) 95 flowers