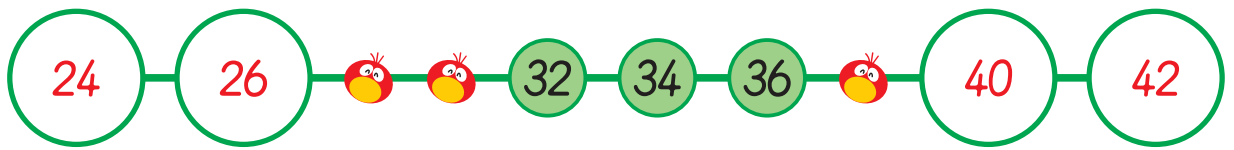


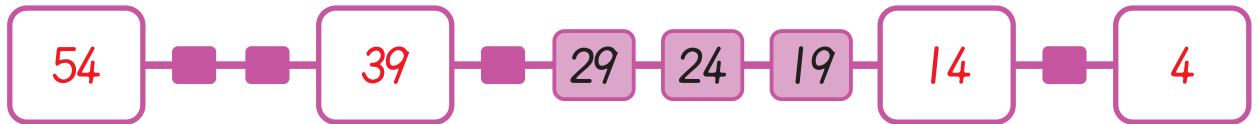
X1 score

1



X2 score

2



X3 score

3

$$65 + ( 15 ) = 80$$

$$57 - ( 9 ) = 48$$

X4 score

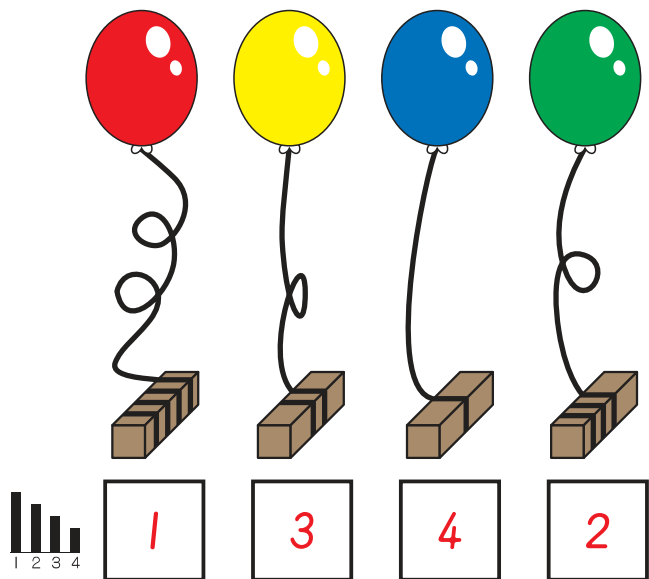
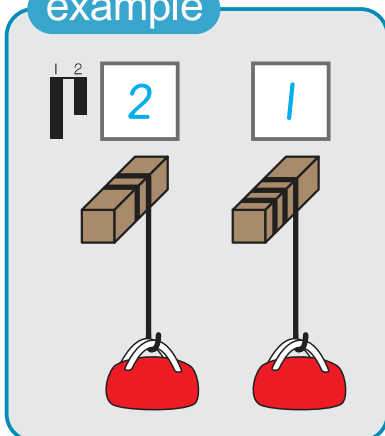
4

Sandy and Cathy bought 30 stickers each.  
 Cathy gives Sandy 12 of her stickers.  
 Sandy will have ( 24 ) more stickers than Cathy.

X5 score

5

example



X6 score

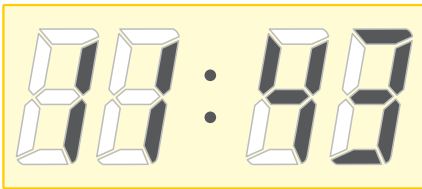
6

example

The example shows a sequence of four diagrams. In each diagram, a flask pours pink liquid into a beaker. Below each diagram is a bar chart with four bars of increasing height and a number in a box. The numbers are 1, 2, 3, and 4, corresponding to the four diagrams.

X7 score

7



The minute hand is between ( 8 ) and ( 9 ).  
If the minute hand started at 12,  
it moved ( 43 ) small spaces.

X8 score

8

example

The example shows a sequence of five diagrams illustrating transformations. The first diagram is a blue square. The second diagram shows the square rotated 45 degrees clockwise, enclosed in a blue circle with a clockwise rotation arrow. The third diagram shows the square rotated 90 degrees clockwise, enclosed in a blue circle with a clockwise rotation arrow. The fourth diagram shows the square rotated 135 degrees clockwise, enclosed in a blue circle with a clockwise rotation arrow. The fifth diagram shows the square rotated 180 degrees clockwise, enclosed in a blue circle with a clockwise rotation arrow.

Below the example are three rows of diagrams showing transformations of a square into a triangle. The first row shows a green square being rotated 45 degrees clockwise (green circle with arrow), then 90 degrees clockwise (green circle with arrow), then 135 degrees clockwise (green circle with arrow), and finally 180 degrees clockwise (green circle with arrow). The second row shows a red square being rotated 45 degrees clockwise (red circle with arrow), then 90 degrees clockwise (red circle with arrow), then 135 degrees clockwise (red circle with arrow), and finally 180 degrees clockwise (red circle with arrow). The third row shows a pink square being rotated 45 degrees clockwise (pink circle with arrow), then 90 degrees clockwise (pink circle with arrow), then 135 degrees clockwise (pink circle with arrow), and finally 180 degrees clockwise (pink circle with arrow).



More questions are on the next page.

X9 score

9

The table shows the number of sweaters sold in the past three days :

	Tuesday	Wednesday	Thursday
White	4	2	3
Black	1	3	4
Gray	3	1	2

1 Please mark " ✓ " for each sweater sold. (unit: piece)

Sweaters sold on Tuesday	✓	✓	✓	✓	✓	✓	✓		
Sweaters sold on Wednesday	✓	✓	✓	✓	✓	✓			
Sweaters sold on Thursday	✓	✓	✓	✓	✓	✓	✓	✓	

2

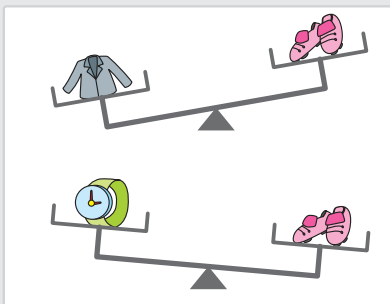
	White	Black	Gray
Tally ( + )			
Number	( 9 )	( 8 )	( 6 )

(unit: piece)

X10 score

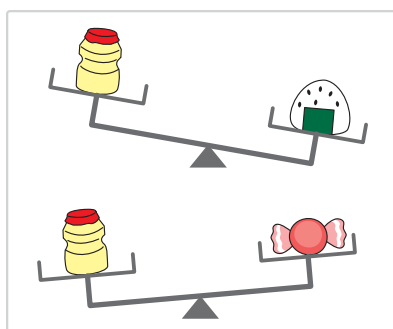
10

example



( clock , jacket , shoes ) is the heaviest,

( jacket , shoes , clock ) is the lightest.



( candy , rice ball , jar ) is the heaviest,

( rice ball , jar , candy ) is the lightest.

2019

3

2<sup>nd</sup>



X11 score

11

Write the correct numbers in the boxes .

$\begin{array}{r} 32 \\ + 15 \\ \hline \end{array}$	$\begin{array}{r} 62 \\ + 19 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ - 24 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ - 37 \\ \hline \end{array}$
<input style="width: 30px; height: 30px;" type="text"/> <input style="width: 30px; height: 30px;" type="text"/>	<input style="width: 30px; height: 30px;" type="text"/> <input style="width: 30px; height: 30px;" type="text"/>	<input style="width: 30px; height: 30px;" type="text"/> <input style="width: 30px; height: 30px;" type="text"/>	<input style="width: 30px; height: 30px;" type="text"/> <input style="width: 30px; height: 30px;" type="text"/>

X12 score

12

Fill in the  with >, =, <:

example

<table style="width: 100%;"> <tr> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>① ①</td> <td rowspan="4" style="font-size: 2em; vertical-align: middle;">&lt;</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>⑤①</td> <td>①</td> </tr> <tr> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>⑤①</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①①</td> <td>①</td> </tr> <tr> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①①</td> <td></td> </tr> <tr> <td></td> <td>①</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①①</td> <td></td> </tr> </table>	100	① ①	<	100	⑤①	①	100	⑤①	100	①①	①	100	①	100	①①			①	100	①①			<p>( 355 )</p> <p>( 392 )</p>
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<table style="width: 100%;"> <tr> <td style="border: 1px solid gray; padding: 2px;">500</td> <td>⑤①</td> <td rowspan="4" style="font-size: 2em; vertical-align: middle;">&gt;</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>⑤①</td> <td>①</td> </tr> <tr> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①①</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①①</td> <td>①</td> </tr> <tr> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①①</td> <td></td> </tr> <tr> <td></td> <td>⑤</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①</td> <td></td> </tr> </table>	500	⑤①	>	100	⑤①	①	100	①①	100	①①	①	100	①	100	①①			⑤	100	①			<p>( 568 )</p> <p>( 321 )</p>
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<table style="width: 100%;"> <tr> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①①</td> <td rowspan="4" style="font-size: 2em; vertical-align: middle;">&lt;</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>⑤①</td> <td>①</td> </tr> <tr> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①①</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①①</td> <td>①</td> </tr> <tr> <td></td> <td>①</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①①</td> <td></td> </tr> <tr> <td></td> <td>①</td> <td style="border: 1px solid gray; padding: 2px;">100</td> <td>①</td> <td></td> </tr> </table>	100	①①	<	100	⑤①	①	100	①①	100	①①	①		①	100	①①			①	100	①			<p>( 230 )</p> <p>( 283 )</p>
100	①①	<		100	⑤①	①																	
100	①①			100	①①	①																	
	①			100	①①																		
	①		100	①																			

X13 score

13

There are three different toys: , , .  
 Lydia puts under and above .

Check (✓) the right shelf.

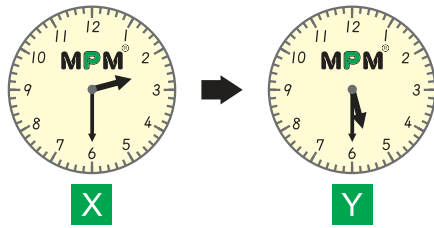
<table style="width: 100%; height: 100%;"> <tr><td style="text-align: center;"></td></tr> <tr><td style="text-align: center;"></td></tr> <tr><td style="text-align: center;"></td></tr> </table>				<table style="width: 100%; height: 100%;"> <tr><td style="text-align: center;"></td></tr> <tr><td style="text-align: center;"></td></tr> <tr><td style="text-align: center;"></td></tr> </table>				<table style="width: 100%; height: 100%;"> <tr><td style="text-align: center;"></td></tr> <tr><td style="text-align: center;"></td></tr> <tr><td style="text-align: center;"></td></tr> </table>			
(   )	(   )	( ✓ )									



More questions are on the next page.

X14 score

14 ( C )



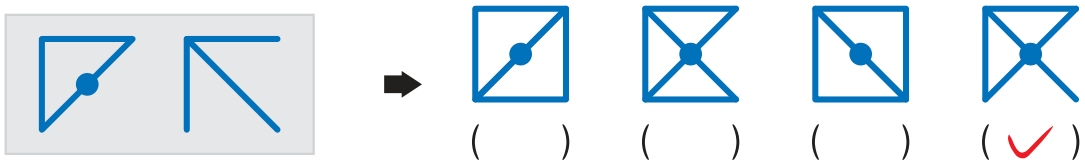
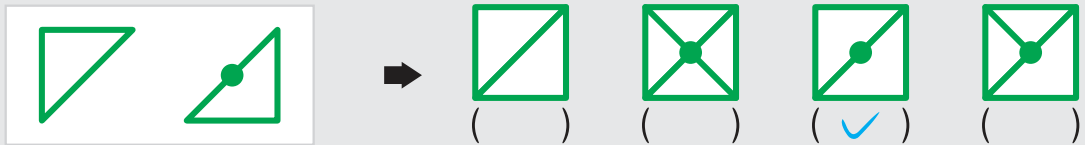
Which sentence is **wrong** about the clocks?

- (A) The short hand on clock X is between 2 and 3. The long hand is at 6. It is 2:30.
- (B) The hour hand on clock Y is between 5 and 6. The minute hand is at 6. It is 5:30.
- (C) To get from clock X to clock Y, the short hand must go around 3 times. 3 hours will have passed.
- (D) On a digital clock, clock Y shows 5:30.

X15 score

15

example



X16 score

16

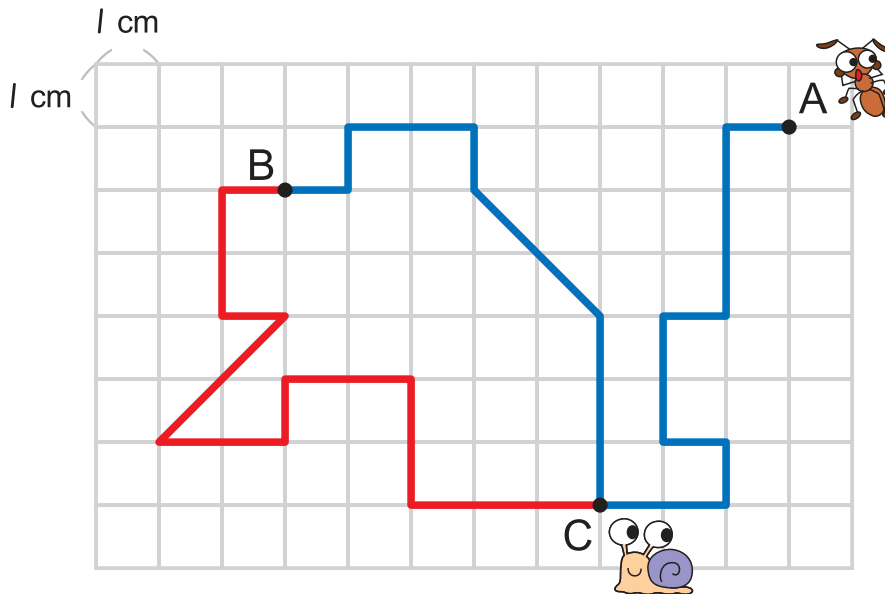
Write the equation below using three of the four numbers:  
18, 28, 23, and 41.

$$( 18 ) + ( 23 ) = ( 41 )$$

※ 18 和 23 位置可互换

X17 score

17



- 1 If followed the path from A to C, it will walk ( 11 ) cm.
- 2 moved from C to B. If he follows the path, he will walk ( 6 ) cm (more, less) than the path.

X18 score

18

Peter and Kevin are reading the same book.  
 Yesterday, Peter read 35 pages and Kevin read 53 pages.  
 They both read 10 pages this morning.  
 Over the two days, Kevin read ( 18 ) more pages than Peter.

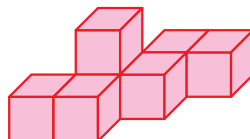
X19 score

19

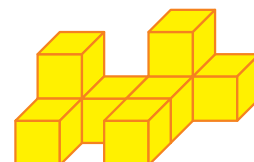
example



( 5 )



( 7 )



( 9 )



More questions are on the next page.

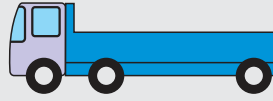
X20 score

20

Follow the pattern of  ,  ,  .

Left

Right



the 1<sup>st</sup> flower

the 2<sup>nd</sup> flower

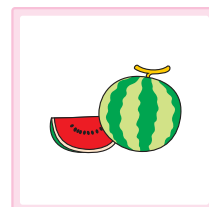
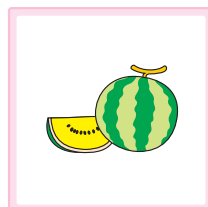
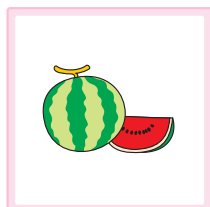
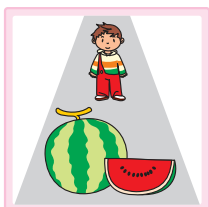
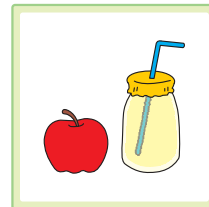
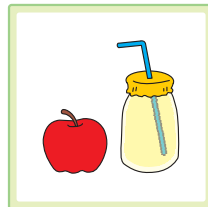
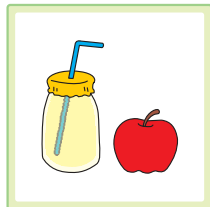
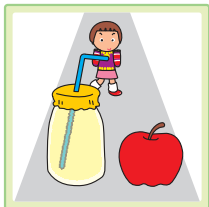
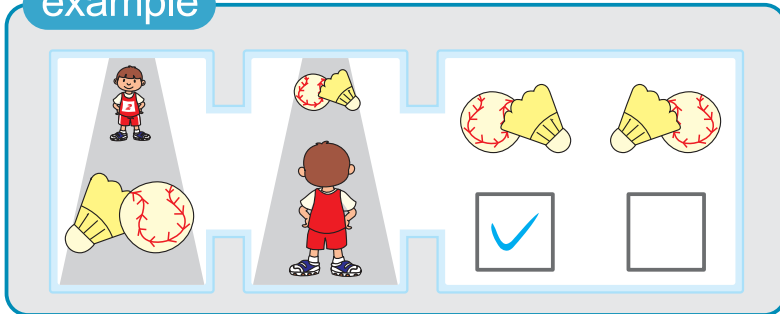
the 5<sup>th</sup> flower

 is covering ( 3 )  , ( 2 )  , and ( 2 )  .

X21 score

21

example



X22 score

22

$D - 4 = 9$

$B + 6 = 12$

$A = ( 8 )$

$C = ( 9 )$

$15 - C = 6$

$5 + A = 13$

$B = ( 6 )$

$D = ( 13 )$

X23 score

23

From Question 22 :

$E = 4$

$F = 20$

$D + E = ( 17 )$

$F - B = ( 14 )$

X24 score

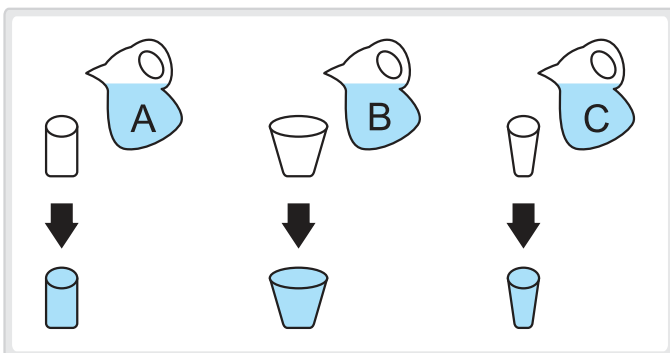
24

There are 18 people in the classroom.

If 3 people walk in and 6 people leave, how many people are now in the classroom? ( 15 ) people.

X25 score

25



There are three jugs with the same amount of water.

If we pour one cup out of each jug, which jug will have the most water left? ( C )



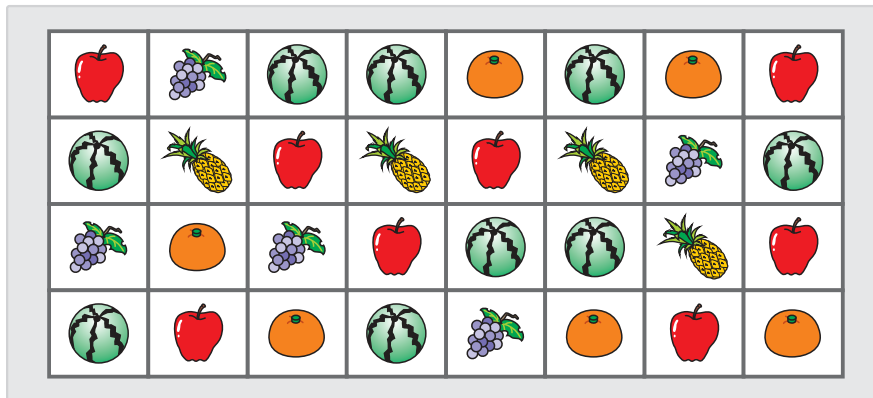
More questions are on the next page.













X26 score

26

Students in class A voted for their favourite fruit.  
Each student had one vote, shown below :








Please tally (  ) the votes.

		( 8 ) votes
		( 6 ) votes
		( 5 ) votes
		( 9 ) votes
		( 4 ) votes

X27 score

27

From Question  26 :

- Most students like (  ,  ,  ,  ,  ).
- There's a difference of ( 5 ) votes between the fruit with the most votes and the fruit with the least votes.



X28 score

28

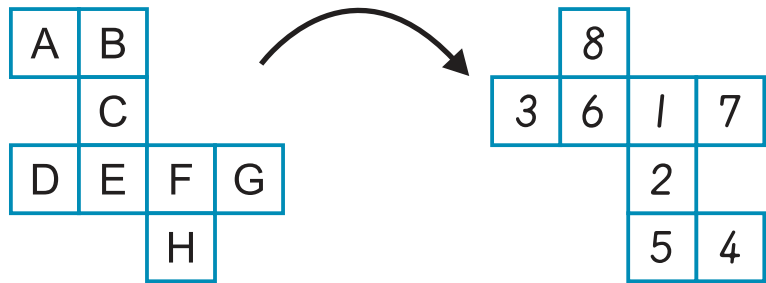
●, ▲, ■ are different numbers. Follow the pattern below.  
The smallest 3-digit number we can make using ●, ▲, ■ is  
( 105 ).

1, 5, 0, 4, 6, 1, 5, 0, 4, 6, 1, ●, 0, 4, 6, ▲, 5, ■, 4, 6, …

X29 score

29

♥	→	A
■	→	B
▲	→	C
●	→	D
★	→	E
🐔	→	F
🐔	→	G
😊	→	H



😊 ( 8 )    🐔 ( 6 )    ★ ( 1 )    ■ ( 5 )

X30 score

30

From Question 29 :

$$\text{🐔} + \text{▲} + \text{♥} = ( 9 )$$

$$\text{●} - \text{■} + \text{★} = ( 3 )$$