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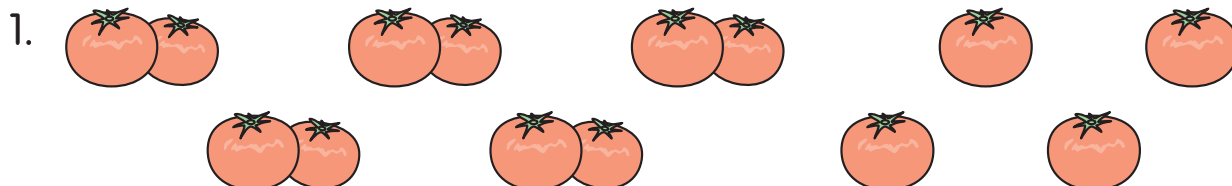


Visit www.popularlearning.com.hk for Solution PowerPoints on challenging questions.



Make your choice

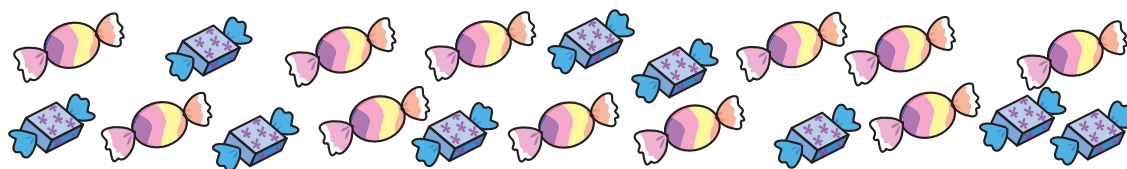
Write down the letter of the correct answer in the .







How many tomatoes are there above?

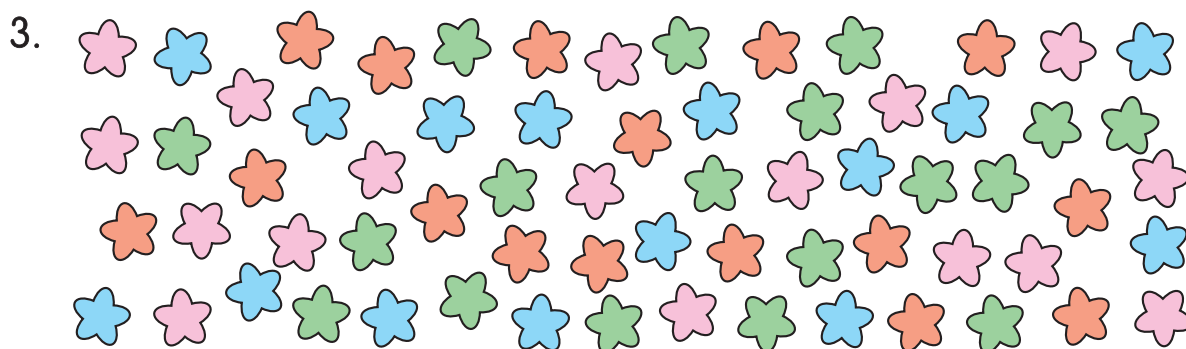
- A. 9 B. 14 C. 16 D. 18

2. Mary has the following candies.



Which of the following is not correct?

- A. There are less  than . B. Mary has 11 .
- C. Mary has 9 . D. Mary has a total of 20 candies.



Which kind of stars above add up to 17?

- A.  B.  C.  D. 

4. Which number below is smaller than 18, but larger than 13?

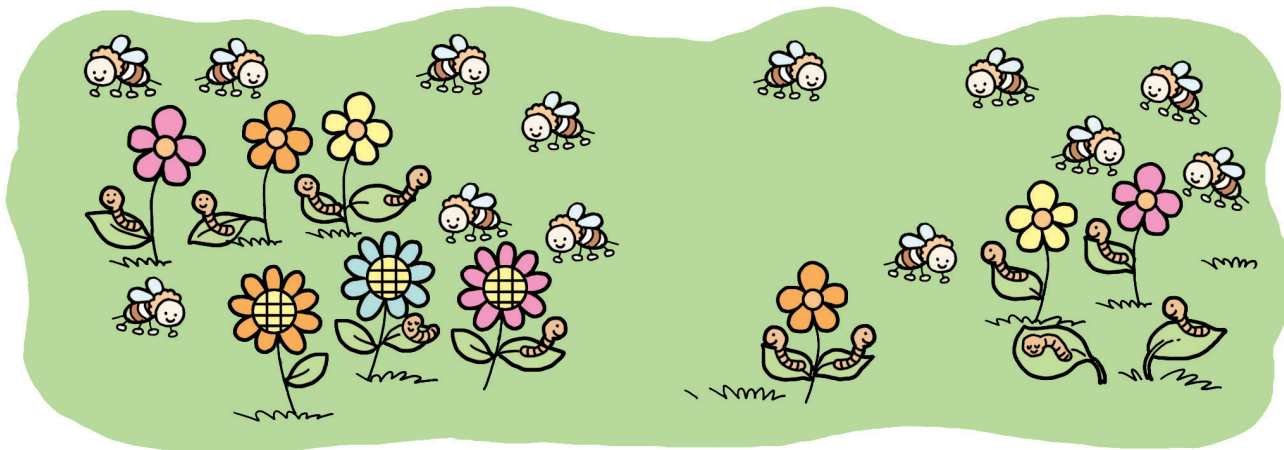
- A. 12 B. 16 C. 19 D. 20







Thinking Zone

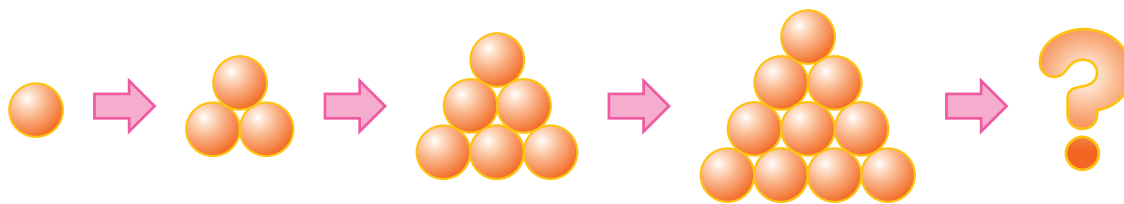
Answer the following questions.

5.



- (a) There is/are _____  in the picture above.
- (b) Add some  in the picture to give a total of 11 flowers.
- (c) There is/are _____  with  on them.

6.



Look at the figures above. There should be _____  in the next figure.

- 7. Father buys one and a half dozens of stamps. Circle all of the stamps that he buys.

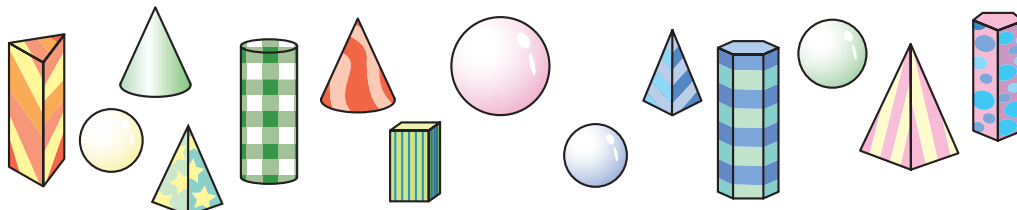




Make your choice

Write down the letter of the correct answer in the .


1. How many pyramids are there in the figure below? 



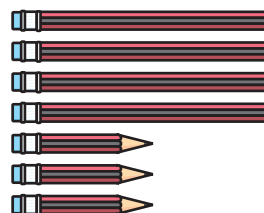
- A. 4 B. 5 C. 6 D. 7

2. Which of the following groups has odd numbers only? 

- A. 3 and 8 B. 4 and 7
C. 5 and 9 D. 6 and 10

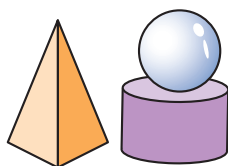
3. Which expression below adds up the total number of pencils in the figure on the right? 

- A. $2 + 3 = 5$ B. $3 + 4 = 7$
C. $4 + 6 = 10$ D. $7 + 1 = 8$

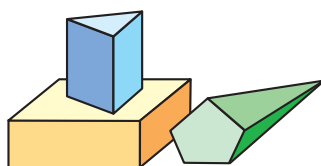


4. Which group(s) of 3-D shapes below has/have prisms on the right of pyramids? 

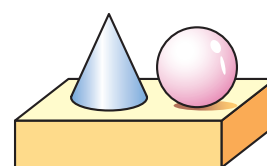
①




②



③



- A. ① only B. ② only
C. ① and ② only D. ①, ② and ③

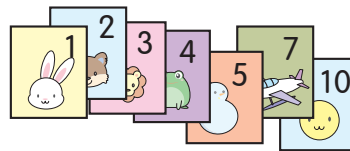
5. Susan is counting back from 10 to 1. When she counts to 6, which even numbers are to be counted? 



- A. 2 and 4 B. 2 and 6
C. 4 and 6 D. 8 and 10



6. Steven lines up the number cards from 1 to 10 by counting on. Which number cards is missing?

- A. 6 and 8 B. 8 and 9
C. 5, 7 and 9 D. 6, 8 and 9

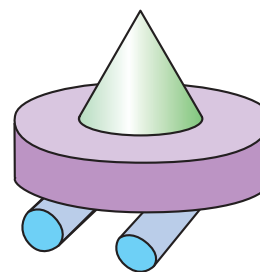



7. A  can carry 16 passengers. Which of the following numbers of passengers is not enough to fill up a  ?

- A. 15 B. 16 C. 18 D. 20

8. How many more prisms than spheres are there in the figure on the right?

- A. 2 B. 3
C. 4 D. 5



9. Which 2  add up to a total of half a dozen flowers?

P



Q



R




S

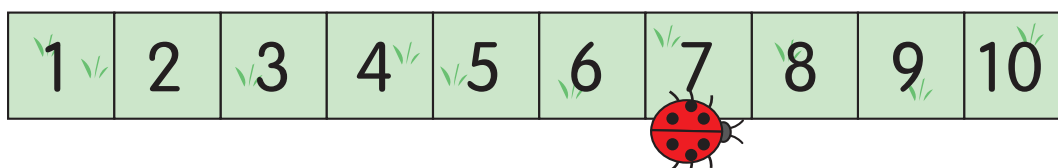


- A. P and R B. P and S C. Q and R D. Q and S

10. Which of the expressions below has an answer different than the others?

- A. $7 - 0$ B. $0 + 7$ C. $7 - 7$ D. $7 + 0$


11. A  crawls 3 squares by counting on and then stops. The figure below shows its position now. What is its starting position?

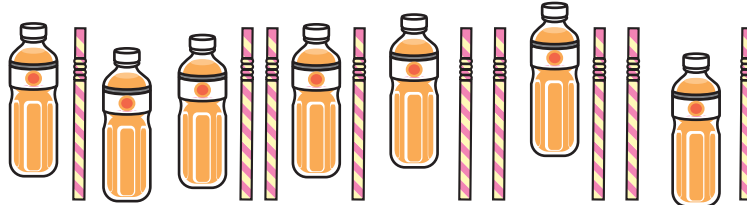


- A. 4 B. 5 C. 9 D. 10




Thinking Zone

Answer the following questions.

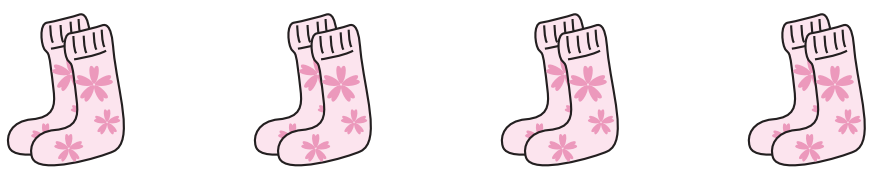
12. Put 1  in each .





(a) There are enough  / not enough  for all the . *Circle the answer*

(b) Mike and Linda each drinks a bottle of . There is/are _____ bottle(s) left. _____  _____ = _____ 

13. The following are Susan's .

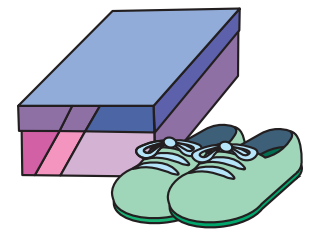


(a) After losing 1 , the number of  left is an odd / even number. *Circle the answer*

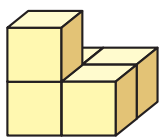
(b) After getting 2 pairs of new  from Mother, Susan now has _____ .

(c) Mother buys a pair of new  for Susan.

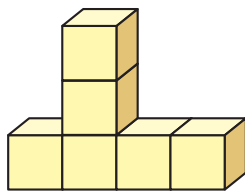
The shoe box on the right looks like a prism / pyramid / sphere. *Circle the answer*



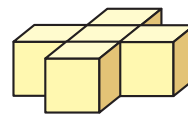
14.



A



B



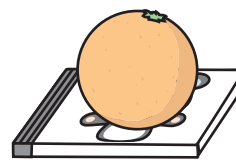
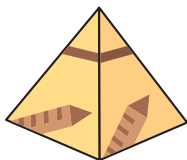
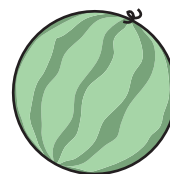
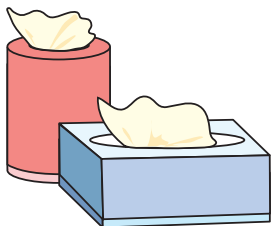
C

(a) Group [★] A / B / C has an even number of . [★] Circle the answer





(b) Group A and group C have a total of _____ .









_____ ○ _____ = _____

15.



(a) Among the objects above, _____ is/are similar to prism(s), _____ is/are similar to pyramid(s) and _____ is/are similar to sphere(s).

(b)  is to the [★] left / right of .  is [★] above / under the . [★] Circle the answer

(c) Mother buys         and uses all of them to make juice. There is/are _____ left.

_____ ○ _____ = _____

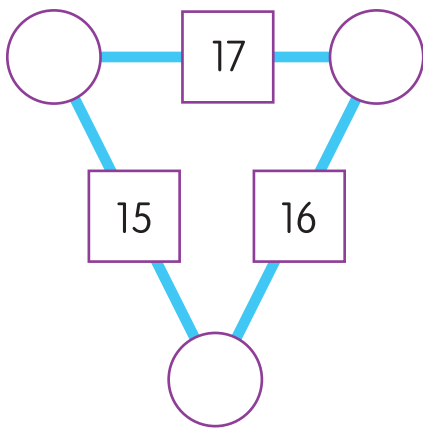
16. Counting back is to count from [★] large / small to [★] large / small .
[★] Circle the answer

Splendid Olympiad Skills

✈️ Number filling game



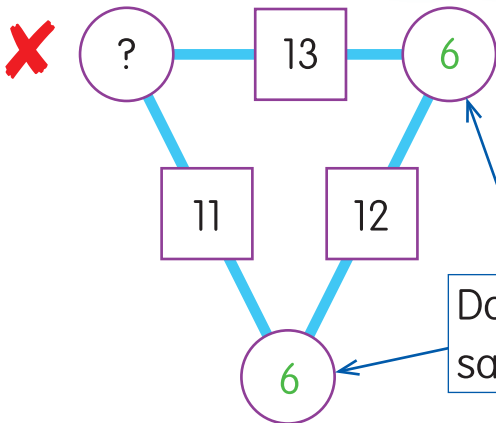
Casey, let's play the **number filling game**.
 In the figure below, fill numbers in the ○
 so that the sum of the numbers in the ○ in
 each line is equal to the number in the □.



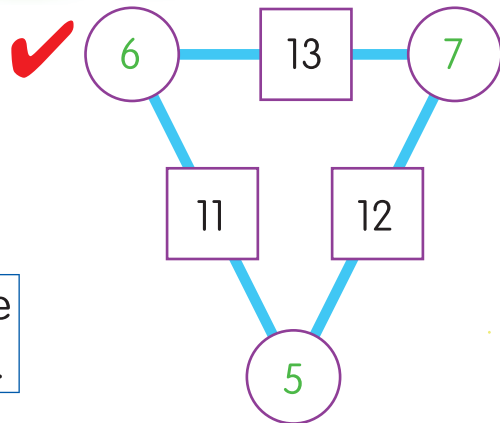
That should be easy,
 as long as we know
 a composition of
 each number.



Casey, it is not so simple. Look at the example
 below. If we consider one of the compositions
 only, sometimes we cannot complete the final
 line. You may start with the even number line and
 be careful not to fill in the same number twice.



Do not fill in the
 same number.



Student Name: _____ Class: _____ Student No. : _____

Part A (60 Marks)

Write down the letter of the correct answer in the .

1. Which expression below does not give an answer of 7? 

- A. $3 + 4$ B. $6 + 1$ C. $14 - 7$ D. $16 - 8$

2. Which expression below gives the smallest answer? 



- A. $11 - 2$ B. $13 - 5$ C. $15 - 8$ D. $18 - 9$

3. Which number below is an odd number greater than 11? 

- A. 9 B. 12 C. 15 D. 20

4. There is half a dozen of  in a box. How many pieces are there in 2 boxes? 

- A. 8 B. 12 C. 14 D. 18

5.  starts crawling from the 4th square by counting on. Each time it moves 6 squares forward and then 2 squares backward. Which square will it be at after moving forward for the second time? 

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----

- A. The 12th square B. The 13th square
C. The 14th square D. The 15th square

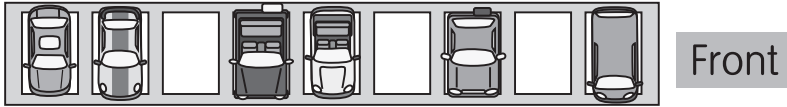
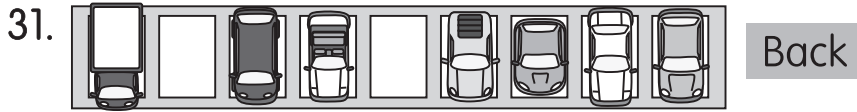
6. How many cars are on the right of the 5th  ? 







- A. 5 B. 4 C. 3 D. 2


Part B (40 Marks)

Answer the following questions.

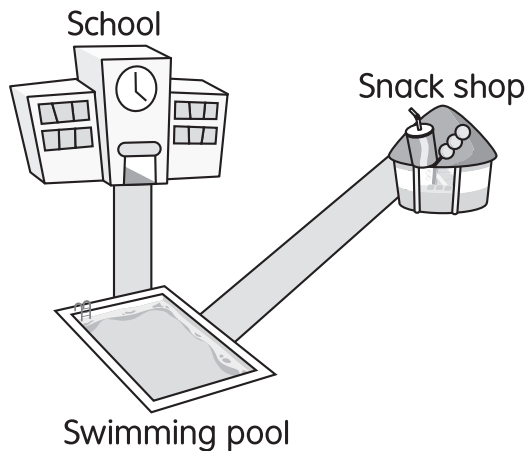


(a) Counting from the left, the 3rd car in the front is  / 
 /  . * Circle the answer [2 marks]

(b) After  leaves,  is the _____ (ordinal number) counting from the left. [2 marks]

(c) After  leaves, there is/are _____ car(s) left in the carpark. [2 marks]

32.



(a) The distance between the snack shop and the * school / swimming pool is shorter. * Circle the answer [2 marks]

(b) The distance from the school to the snack shop is * longer / shorter than the distance from the swimming pool to the snack shop. * Circle the answer [2 marks]