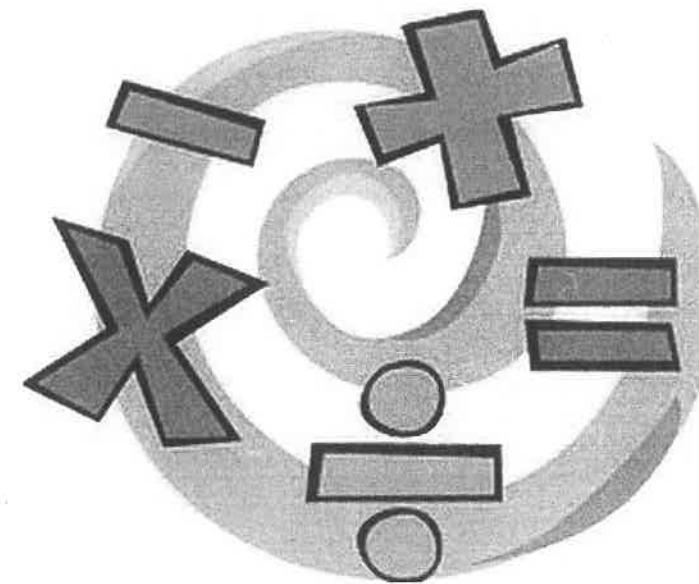


Confucian Tai Shing Primary School  
2022-2023 1<sup>st</sup> Term



Mathematics Quality Assignment  
(Basic Multiplication 2N3 ✨)



Name: Yoyo (2) Class: 25

(A) Calculate the following questions.

Learning focus: Understanding repeated addition (加) and concept (概念) of multiplication (乘).

Online self-learning



There are 3 dishes on a table, each dish has four pieces of cake. There are 12 pieces of cake in total (總共).



Shown as:



3 fours mean (意思是) adding up (連加) 4 by three times (3 次).

$4 + 4 + 4 = 12$   
 $4 \times 3 = 12$

Multiplicand (被乘數)	Multiplier (乘數)	Product (積)
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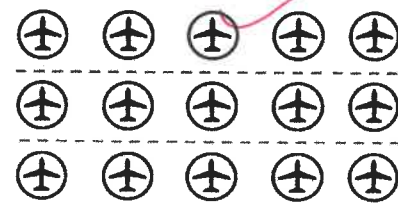
Write the answer in the  or \_\_\_\_\_.

1. Each row (行) has 5 chessmen (棋子), there are 3 rows.

Addition:  $5 + 5 + 5 = \boxed{15}$

Multiplication:  $5 \times 3 = \boxed{15}$

It means 3 fives.

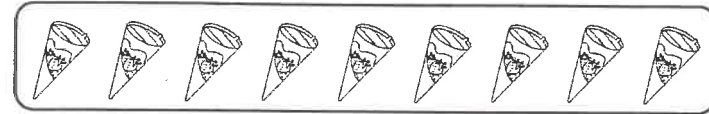
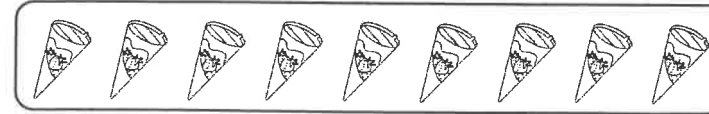


2. Addition:  $7 + 7 + 7 + 7 + 7 + 7 = \boxed{42}$

Multiplication:  $7 \times \boxed{6} = \boxed{42}$

It means 6 sevens.

3.

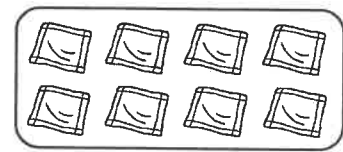
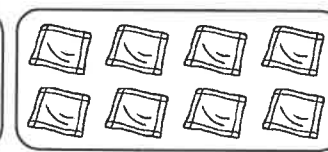
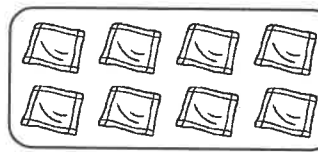


Addition:  $9 + 9 = 18$

Multiplication:  $9 \times 2 = 18$

It means 2 nines.

4.



Addition:  $8 + 8 + 8 = 24$

Multiplication:  $8 \times 3 = 24$

It means 3 eights.

Quiz

5.  $\star + \star + \star + \star + \star + \star = 36$ .

What is the value of  $\star$ ?

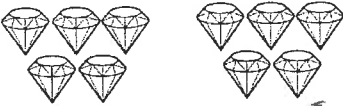
$\star = \boxed{6}$

$\star \times ? = 36$

(B) Calculate the following questions.

Learning focus: Showing (展示) the number of objects (物件) by multiplication.

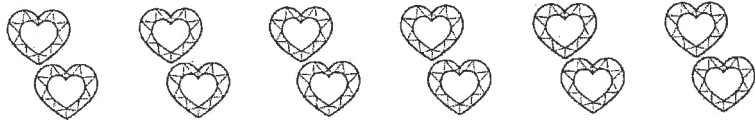
Write the answer in the .


6.   
 Each group has 5 pieces of diamond (寶石), there are 2 groups.

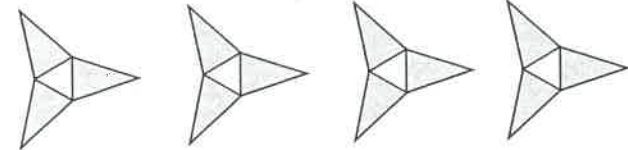
$5 \times 2 = \boxed{10}$ , there are  pieces of diamond.

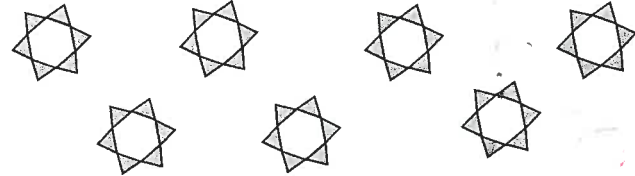
Numbers of piece in each group

No. of group

7.   
 $2 \times \boxed{6} = \boxed{12}$ , there are  pieces of diamond.

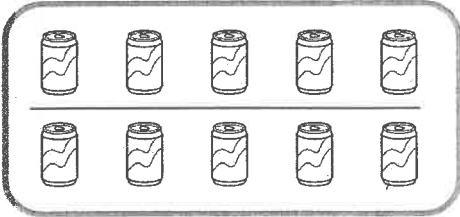
8.   
  $\times$   = , there are  pieces of diamond.

9.   
 $3 \times \boxed{4} = \boxed{12}$ , there are  coloured triangles (三角形).

10.   
 $6 \times 7 = \boxed{42}$ , there are  coloured triangles.

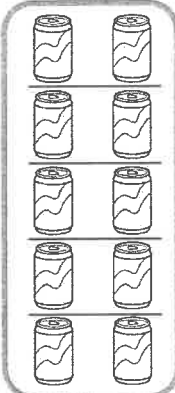
(C) Write the answer in  according to the pictures.

Learning focus: Knowing the product (積) remains (保持) the same when exchanging (互換) the two numbers (multiplicand (被乘數) and multiplier (乘數)).

11. (a) 

Each row has 5 cans (罐) of coke, there are  cans of coke in 2 rows.

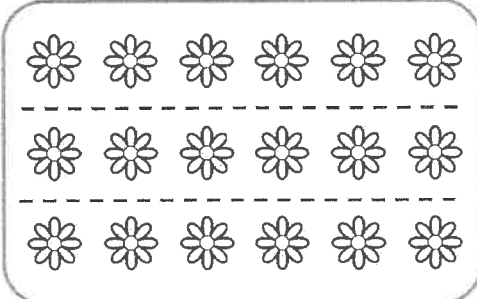
$5 \times 2 = \boxed{10}$

(b) 

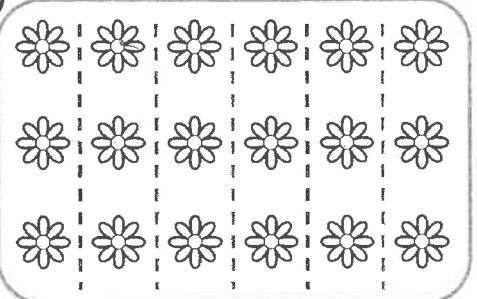
Each row has 2 cans of coke, there are  cans of coke in 5 rows.

$2 \times 5 = \boxed{10}$

(c) Both have the (same/ different) number of cokes. (Circle the correct answer)

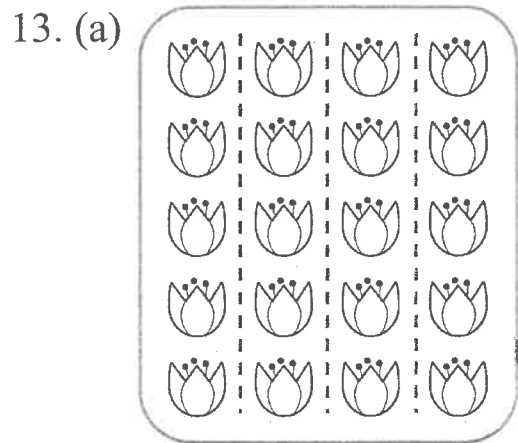
12. (a) 

$6 \times \boxed{3} = \boxed{18}$   
 There are  flowers.

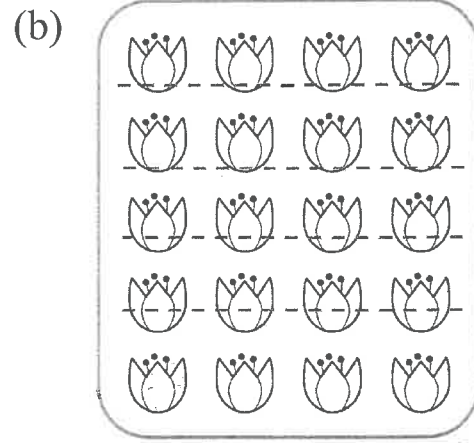
(b) 

$3 \times \boxed{6} = \boxed{18}$   
 There are  flowers.

$6 \times \boxed{3} = 18 = 3 \times \boxed{6}$



$5 \times 4 = 20$   
There are 20 flowers.



$4 \times 5 = 20$   
There are 20 flowers.

$5 \times 4 = 20 = 4 \times 5$

From the results above, what do you find?



Based on your finding, finish the following questions.

14.  $9 \times 3 = 3 \times 9 = 27$

15.  $8 \times 10 = 10 \times 8 = 80$

16.  $9 \times 5 = 5 \times 9 = 45$

17.  $4 \times 6 = 6 \times 4 = 24$

Quiz

18. If 8 packs of snack cost the same price of 3 packs of fruit jelly, which (哪種) snack is it?

Answer: It is Bubble gum

Happy Snack	
Bubble gum ...	\$3/pack
Marshmallow ...	\$9/pack
Fruit jelly ...	\$8/pack

(D) Solve word problems and show your working.

Learning focus: Solving problems by using multiplication.

19. Cherry saved \$10 everyday starting from Wednesday. She got enough money to buy an album (相簿) until Saturday. How much does an album cost?

$4 \times 10 = 40$   
 $\therefore$  An album costs \$40.

20. A packet of bread (一袋麵包) has 8 pieces and costs \$12. How many pieces of bread in 3 packets?

$8 \times 3 = 24$

$\therefore$  There are 24 pieces of bread in 3 packets.

21. Mrs. Lam bought 4 boxes of half a dozen of eggs (半打雞蛋). How many eggs did she buy?

$6 \times 4 = 24$

$\therefore$  She bought 24 eggs.



22. Distance (距離) between two trees is 9 meters. A dog runs back and forth (來回) between these two trees twice (兩次). How many meters does it run?

$9 \times 4 = 36$

$\therefore$  It runs 36 meters.

23. A ticket (門票) of an art museum (藝術館) for an adult (成人) is \$10, for a child (小童) is \$7. Peter, Ken and Mary bought child tickets, how much did they pay?

$$7 \times 3 \checkmark$$
$$= \$21 \checkmark$$

$\therefore$  They paid \$21.  $\checkmark$

24. There are 100 pieces of prism (柱體) in each box of blocks (積木). How many pieces of pyramid (錐體) are there in 5 boxes of blocks?

$$0 \times 5 \checkmark$$
$$= 0 \checkmark$$

$\therefore$  There are 0 pieces of pyramid in 5 boxes of blocks.  $\checkmark$

(E) Challenging Question.

25. Design a word problem of multiplication and show your working.

Question

Jim bought 3 boxes of candy. Each box has 8 candies.  
How many candies are there in total?  $\checkmark$

Show your working

$3 \times 8 \checkmark$   
 $= 24 \checkmark$   
 $\therefore$  There are 24 candies in total.  $\checkmark$

Marks: 25/25

11.21

Excellent!!!

23

Summary:

1. Multiplicand  $\times$  Multiplicand = Product.
2. Multiplicand is a number to be added up.
3. The product remains the same when exchanging the numbers (multiplicand and multiplier).
4. When solving word problems, multiplicand and multiplier need to be recognized correctly (正確辨認).

Assessments:

Self-assessment:

After studying this chapter,

- I can identify multiplicand, multiplier and product.
- I can understand the exchanging property of multiplication.
- I can solve word problems related to multiplication.
- I calculate carefully. (Work)
- I learned with effort. (Attitude)
- I checked the steps carefully. (Ability)

I have learnt that how to identify multiplicand, multiplier and product.

Peer assessment: You can solve word problems.

Parents' Feedback:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Able to work independently<br>(能獨立完成課業)   | <input type="checkbox"/> Finish assignments only with<br>guidance (須指導才能完成課業) |
| <input checked="" type="checkbox"/> Neat writings (字體端正)                      | <input type="checkbox"/> Sloppy writings (字體草率)                               |
| <input checked="" type="checkbox"/> Tidy assignment (課業整潔)                    | <input type="checkbox"/> Pay attention to tidiness<br>(要注意整潔)                 |
| <input checked="" type="checkbox"/> Complete assignment seriously<br>(認真完成課業) | <input type="checkbox"/> More effort required (仍須努力)                          |

Other comments (其他意見): \_\_\_\_\_

Teacher's Feedback:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Able to master the learning<br>objectives of the unit | <input type="checkbox"/> Unable to master some learning<br>objectives of the unit |
| <input checked="" type="checkbox"/> Identify angles correctly                             | <input type="checkbox"/> Failed to identify angles                                |
| <input checked="" type="checkbox"/> Neat writings   | <input type="checkbox"/> Sloppy writings  |
| <input checked="" type="checkbox"/> Tidy assignment                                       | <input type="checkbox"/> Pay attention to tidiness                                |
| <input checked="" type="checkbox"/> Completed assignment according<br>to instructions     | <input type="checkbox"/> Be more careful in reading the<br>question               |

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Excellent | <input type="checkbox"/> Good               |
| <input type="checkbox"/> Satisfactory         | <input type="checkbox"/> Improvement needed |

Other comments: Well done! please keep on moving!!!

The End