

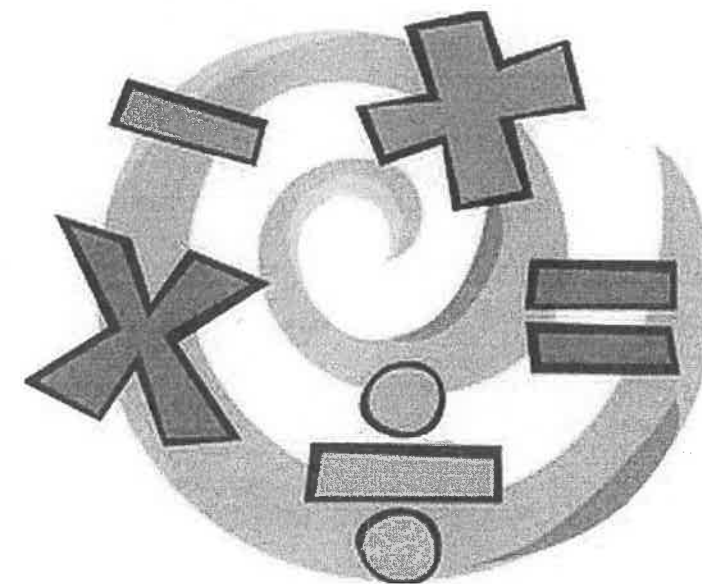
Confucian Tai Shing Primary School

2021-2022 1<sup>st</sup> Term



# Mathematics Quality Assignment

(Multiplication 3N3☀)



Name: Wong Tsz Tsin ( 13 ) Class: 3J

(A) Calculate the following questions.

Learning focus: Revise (溫習) one digit number (一位數) multiplying (乘) one digit number.



1.  $2 \times 3 = 6$  ✓  
 2.  $6 \times 8 = 48$  ✓  
 3.  $4 \times 0 = 0$  ✓  
 4.  $7 \times 4 = 28$  ✓  
 5.  $5 \times 7 = 35$  ✓  
 6.  $8 \times 9 = 72$  ✓

(Multiplicand: 被乘數, Multiplier: 乘數, Product: 積)

(B) Calculate the following questions.

Learning focus: Learn one digit number multiplying two-digit number (兩位數) in column form (直式).

Align the place values

7. 
$$\begin{array}{r} \text{T} \quad \text{U} \\ 1 \quad 4 \\ \times \quad 2 \\ \hline 2 \quad 8 \end{array}$$
   
 Multiplicand: 14, Multiplier: 2, Product: 28

8. 
$$\begin{array}{r} \text{T} \quad \text{U} \\ 3 \quad 2 \\ \times \quad 3 \\ \hline 9 \quad 6 \end{array}$$

9. 
$$\begin{array}{r} \text{T} \quad \text{U} \\ 3 \quad 4 \\ \times \quad 2 \\ \hline 8 \quad 8 \end{array}$$
   
 1. Multiply unit digit first (個位)  
 2. Then multiply tens digit (十位)

10. 
$$\begin{array}{r} \text{T} \quad \text{U} \\ 2 \quad 5 \\ \times \quad 3 \\ \hline 15 \\ 60 \\ \hline 75 \end{array}$$
   
 1. Multiply unit digit first.  
 2. Then multiply tens digit.  
 Pay attention to carryings (進位)

11. 
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 4 \quad 2 \\ \times \quad 4 \\ \hline 168 \end{array}$$
   
 Tens digit reaches hundred and carries to hundreds digit

12. 
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 6 \quad 1 \\ \times \quad 3 \\ \hline 305 \end{array}$$

13. 
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 5 \quad 6 \\ \times \quad 3 \\ \hline 168 \end{array}$$
   
 Pay attention to carryings

14. 
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 3 \quad 8 \\ \times \quad 2 \\ \hline 228 \end{array}$$

(C) Calculate the following questions.

Learning focus: Learn one digit number multiplying three-digit number (三位數) in column form.

15. H T U

$$\begin{array}{r} 143 \\ \times 2 \\ \hline 286 \end{array}$$

1. Multiply unit digit first  
2. Then multiply tens digit  
3. Multiply hundreds digit at last

16. Th H T U

$$\begin{array}{r} 1322 \\ \times 14 \\ \hline 1288 \end{array}$$

Pay attention to carryings.

17. 2 8 1 18. 6 4 8

$$\begin{array}{r} 281 \\ \times 57 \\ \hline 1987 \end{array}$$

$$\begin{array}{r} 648 \\ \times 679 \\ \hline 5832 \end{array}$$

19. Quiz:

$5 \diamond \star \times 2$ , the product must be a 4-digit number.

(D) Solve the following problems and show your working.

Learning focus: Solve multiplication word problems (應用題).

20. Mum bought (買) 7 packets (包) of cookies. How many pieces (件) of cookies are there?



$$24 \times 7 = 168$$

$\therefore$  there are 168 pieces of cookies.

21. Wendy and two friends bought a birthday cake together. Each person paid 79 dollars. How much was the cake?

$$79 \times 3 = 237$$

$\therefore$  The cake was 237 dollars.

22. Dad bought 4 pairs of scissors. How much should he pay?



13 dollars 80 cents



Pepper

8 dollars 50 cents

$$13 \text{ dollars } 80 \text{ cents} \times 4 = 55 \text{ dollars } 20 \text{ cents}$$

$\therefore$  Dad should pay 55 dollars 20 cents

$$\begin{array}{r} \$ \quad \text{¢} \\ 13 \quad 80 \\ \times 4 \\ \hline 55 \quad 20 \end{array}$$

Pay attention to the unit

23. The price of each box of color pen is 31 dollars. Mr. Cheung bought 6 boxes. How much should he pay?

$31 \times 6 = 186$   
 $\therefore$  Mr. Cheung should pay 186 dollars.

$$\begin{array}{r} 31 \\ \times 6 \\ \hline 186 \end{array}$$

24. The rent (租金) of a hotel room is 435 dollars per day. A customer rented a week. How much should he pay?

$435 \times 7 = 3045$   
 $\therefore$  He should pay 3045 dollars.

$$\begin{array}{r} 435 \\ \times 7 \\ \hline 3045 \end{array}$$

(E) Quiz

25.



Tom's home

Each ride takes 56 minutes



Grandma's home

Tom goes to grandma's home by train back and forth (往返) for 3 times every months (每月 3 次). How many minutes does he spend each month?

$56 \times 2 = 112$  (Incorrect)  
 $56 \times 3 = 168$  (Correct)  
 $\therefore$  Tom ~~does~~ spends 168 minutes each month.

$$\begin{array}{r} 56 \\ \times 3 \\ \hline 168 \end{array}$$

(F) Challenging question

26. Create a multiplication word problem in the following space and show your working.

Each storybook costs \$35. Mrs Chan buys 8 books. How much does she need to pay in total?

$35 \times 8 = 280$   
 $\therefore$  She needs to pay 280 dollars.

Score: 25 / 26  
18.10.21

Summary:

1. Multiplicand  $\times$  Multiplier = Product.

2. When drafting a column form,

- (a) Align the value positions.
- (b) multiply units digit first, then multiply tens digit, multiply hundreds digit at last.
- (c) pay attention to carrying.

3. When calculating questions include dollars and cents, pay attention to the unit.

Assessments:

Self-assessment:

After studying this chapter,

- I can identify multiplicand, multiplier and product.
- I can utilize column form to calculate multiplicands and align the digits.
- I can pay attention to the carrying.
- I can memorize the multiplication table.
- I calculate carefully. (Work)
- I learned with effort. (Attitude)
- I checked the steps carefully. (Ability)

I have learnt that Multiplication.

Peer assessment: Her performance is excellent.

Parents' Feedback:

- Able to work independently (能獨立完成課業)
- Finish assignments only with guidance (須指導才能完成課業)
- Neat writings (字體端正)
- Sloppy writings (字體草率)
- Tidy assignment (課業整潔)
- Pay attention to tidiness (要注意整潔)
- Complete assignment seriously (認真完成課業)
- More effort required (仍須努力)
- Other comments (其他意見): \_\_\_\_\_

Teacher's Feedback:

- Able to master the learning objectives of the unit
- Unable to master some learning objectives of the unit
- Identify multiplication correctly
- Failed to identify multiplication
- Neat writings
- Sloppy writings
- Tidy assignment
- Pay attention to tidiness
- Completed assignment according to instructions
- Be more careful in reading the question

- Excellent
- Good
- Satisfactory
- Improvement needed
- Other comments: Circle the number in each word problem next time.

The End