Tao Nan School
2025 P4 Mathematics Weighted Assessment 2

Name: _____( ) Class: 4___ Date: _____

At a stationery shop, ribbons are sold by the piece.

The price of each type of ribbon is as follows:

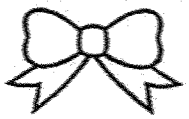
Type of Ribbon	Price (per piece)
Embroidery	$4
Silk	$2
Lace	$1

Task 1 – Ribbon Shopping Problem [6 marks]

Trisha and Kate have a total of $21 to spend on ribbons.

a) Trisha bought 3 pieces of silk ribbon. How much money is left for Kate to spend?

b) Kate must spend all the money that is left. Show **two different ways** Kate can buy the ribbons based on the condition provided.



Scenario 1: Kate must buy all three types of ribbons.

Type of Ribbon	Price of One Piece	No. of Pieces	Amount of Money Spent
Embroidery			
Silk			
Lace			
Total Amount of Money Spent			

You can show your working here

Scenario 2: Kate must buy the greatest number of ribbons possible and include at least two different types of ribbons.

Type of Ribbon	Price of One Piece	No. of Pieces	Amount of Money Spent
Total Amount of Money Spent			

You can show your working here

c) Which types of ribbon appear in both combinations? Give a reason why.

Ribbon type 1: _____

Ribbon type 2: _____

Reason: _____

_____

Task 2: Ribbon Budget Challenge [9 marks]

Aisha has **$20** to buy ribbons for a special project.

Show **two different combinations** of ribbons that meet these conditions:

- The total cost is as close as possible to **$20**.
- At least **two different types** of ribbon are included.
- **Silk ribbon** must be included.

(You may refer to Task 1(b) workings and presentation as a guide.)

(a) Combination 1

(b) Combination 2

c) Which is a better combination? Give a reason why.

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Embroidery	$4
Silk	$2
Lace	$1

Task 1 – Ribbon Shopping Problem [6 marks]

Trisha and Kate have a total of $21 to spend on ribbons.

a) Trisha bought 3 pieces of silk ribbon. How much money is left for Kate to spend?

$2 x 3 = $6
$21 - $6 = $15

Ans : $15

b) Kate must spend all the money that is left. Show **two different ways** Kate can buy the ribbons based on the condition provided.

Scenario 1: Kate must buy all three types of ribbons.

Type of Ribbon	Price of One Piece	No. of Pieces	Amount of Money Spent
Embroidery	$4	3	$4 x 3 = $12
Silk	$2	1	$2 x 1 = $2
Lace	$1	1	$1 x 1 = $1
Total Amount of Money Spent			$12 + $2 + $1 = $15

You can show your working here

4 x 3 = 12

Scenario 2: Kate must buy the greatest number of ribbons possible and include at least two different types of ribbons.

Type of Ribbon	Price of One Piece	No. of Pieces	Amount of Money Spent
Lace	$1	13	$1 x 13 = $13
Silk	$2	1	$2 x 1 = $2
Total Amount of Money Spent			$13 + $2 = $15 $15 - $15 = $0

You can show your working here

13 x 1 = 13

c) Which types of ribbon appear in both combinations? Give a reason why.

Ribbon type 1: Lace

Ribbon type 2: Silk

Reason: Due to the low cost

Task 2: Ribbon Budget Challenge [9 marks]

Aisha has **$20** to buy ribbons for a special project.

Show **two different combinations** of ribbons that meet these conditions:

- The total cost is as close as possible to **$20**.
- At least **two different types** of ribbon are included.
- **Silk ribbon** must be included.

(You may refer to Task 1(b) workings and presentation as a guide.)

(a) **Combination 1**

item	price of each item	Quantity	total cost
Lace	$1	8	$1 x 8 = $8
Silk	$2	4	$2 x 4 = $8
Embroidery	$4	1	$4 x 1 = $4

total of each item total cost = $8 + $8 + $ = $20

(b) Combination 2

item	price of item	Quantity	total cost of each item
Lace	$1	18	$1 x 18 = $18
Silk	$2	81	$2 x 1 = $2

Total amount of every items = $18 + $2 = $20

c) Which is a better combination? Give a reason why.

Combination 2. Combination 2 has a bigger quantity than Combination 1.