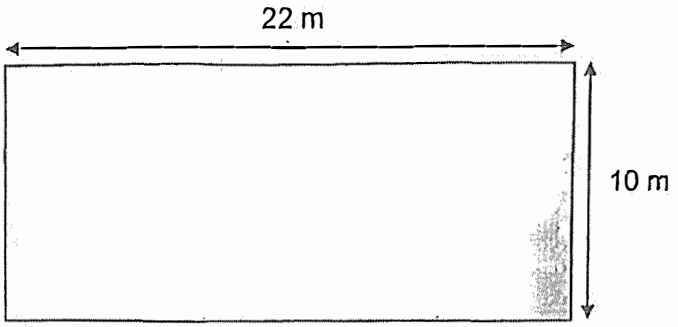
Tao Nan School
2025 P5 Mathematics Weighted Assessment 2

Name: _____( ) Class: 5___ Date: _____

---

Mr Samy has a rectangular plot of land measuring **22 m by 10 m**.




**Mr Samy's plot of land (Top View)**

He wants to give all the land to his 3 sons:

- The **eldest son** will get the **largest possible square** piece of land.
- **The second son** will get a plot of land that is **4 times the** area of the **youngest son's** land.

**Task 1: Area of each plot of land**

Show 2 different methods to calculate the area of the plot of land for each son.

Use the **working space provided** to:

- Calculate the area of land each son receives.
- Show your working clearly.
- You may use a calculator.

Method 1

Downloaded from SingaKids.com

Method 2

| Area of land each son received (in $m^2$) | |
|---|---|
| Eldest Son | |
| Second Son | |
| Youngest Son | |



Downloaded from SingaKids.com

Tao Nan School
2025 P5 Mathematics Weighted Assessment 2

**Task 2: Land Distribution**

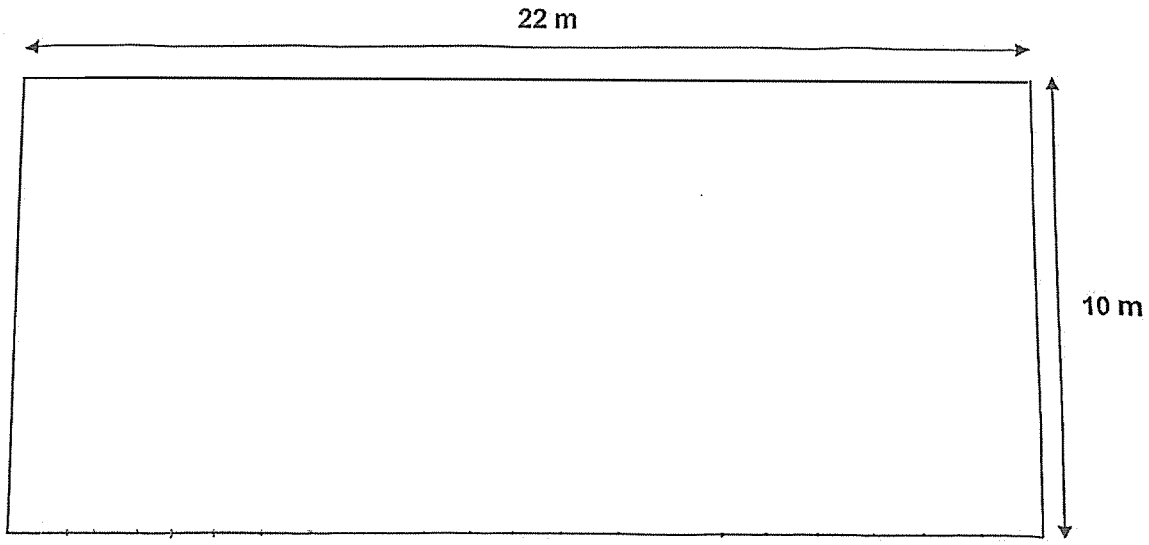
Using the area of the plot of land for each son in Task 1, explore and draw 2 possible ways in which the land could be distributed among the 3 sons.

For each way:

- Draw your plan in the **rectangle provided** on the question paper.
- Label clearly:
  (a) the **owner's name** (eldest son/ second son / youngest son)
  (b) the **dimensions** of each plot of land for each son.

*Working Space for Drawing 1*

- **Land Distribution – Drawing 1**



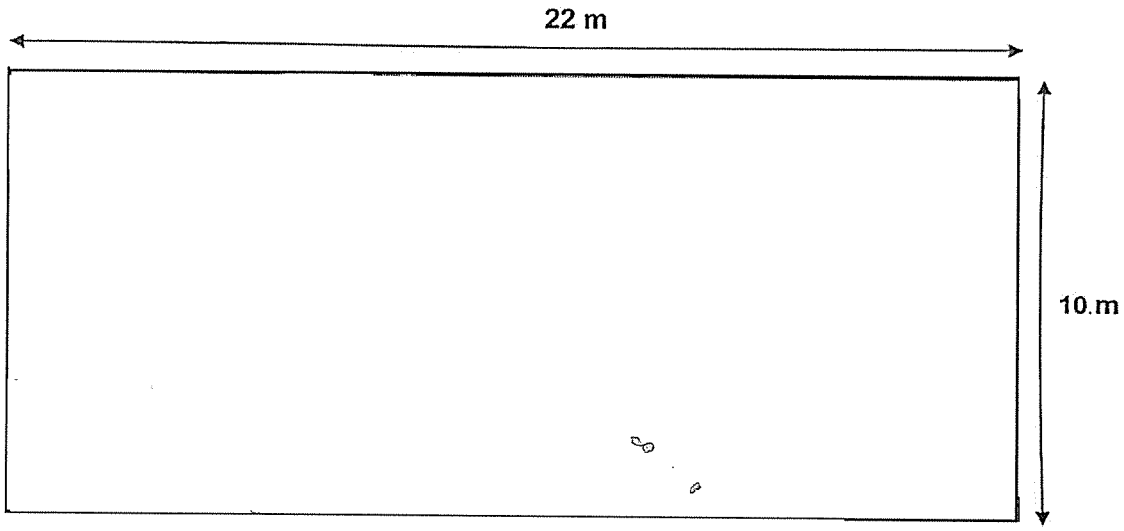

**Mr Samy's plot of land (Top View)**



Downloaded from SingaKids.com

*Working Space for Drawing 2*

- **Land Distribution – Drawing 2**




**Mr Samy's plot of land (Top View)**

From your 2 drawings, which one would the youngest son choose? Give a possible reason for his choice.

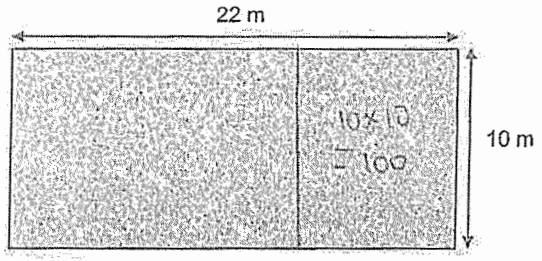


Downloaded from SingaKids.com

Tao Nan School
2025 P5 Mathematics Weighted Assessment 2

Name: _____ ( ) Class: 5 ___ Date: _____

Mr Samy has a rectangular plot of land measuring 22 m by 10 m.




**Mr Samy's plot of land (Top View)**

He wants to give all the land to his 3 sons:

- The **eldest son** will get the largest possible square piece of land.
- The **second son** will get a plot of land that is 4 times the area of the youngest son's land. 4u 1u

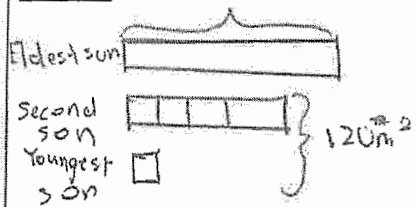
**Task 1: Area of each plot of land**

Show 2 different methods to calculate the area of the plot of land for each son.

Use the **working space provided** to:

- Calculate the area of land each son receives.
- Show your working clearly.
- You may use a calculator.

Method 1




Eldest son u = units

10m × 10m = 100 m²
22m × 10m = 220m²
220m² − 100m² = 120m²
4u + 1u = 5u
5u = 120m²
1u = 120m² ÷ 5
= 24m²
4u = 24m² × 4
= 96m²

Ans: Eldest son = 100m²
Second son = 96m²
Youngest son = 24m²

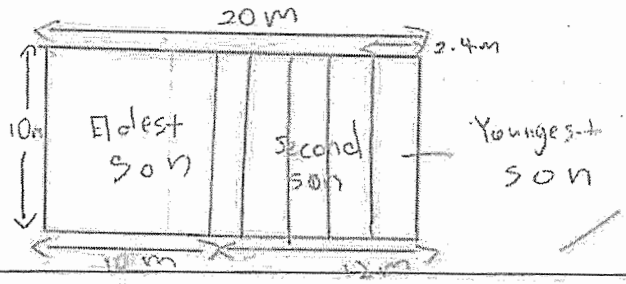
ECF
error carried forward

Tao Nan School
2025 P5 Mathematics Weighted Assessment 2

Method 2

Finding the areas using dimensions u = unit

10m × 10m = 100 m²
22 m × 10m = 220m²
220m² − 100m² = 120m²
1u + 4u = 5u
22m − 10m = 12m
12m ÷ 5 = 2.4m
2.4m × 10m = 24m² Youngest son
(2.4m × 4) × 10m = 96m² Second son




| Area of land each son received (in m²) | |
|---|---|
| Eldest Son | 100 m² |
| Second Son | 96m² |
| Youngest Son | 24m² |



Downloaded from SingaKids.com

**Task 2: Land Distribution**

Using the area of the plot of land for each son in Task 1, explore and draw 2 possible ways in which the land could be distributed among the 3 sons.

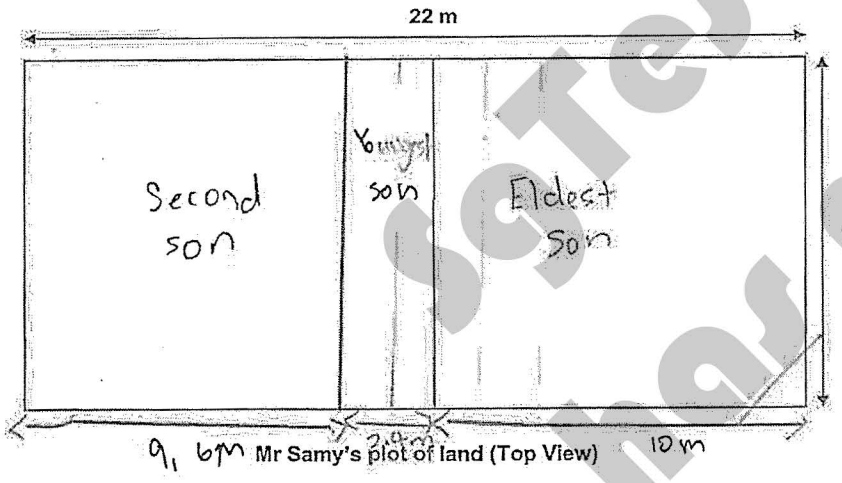
For each way:

- Draw your plan in the **rectangle provided** on the question paper.
- Label clearly:
  (a) the **owner's name** (eldest son/ second son / youngest son)
  (b) the **dimensions** of each plot of land for each son.

*Working Space for Drawing 1*

Breadth of plot for youngest son = 24 m² ÷ 10 m = 2.4 m
Breadth of plot for the second son = 96 m² ÷ 10 m = 9.6 m

- **Land Distribution – Drawing 1**



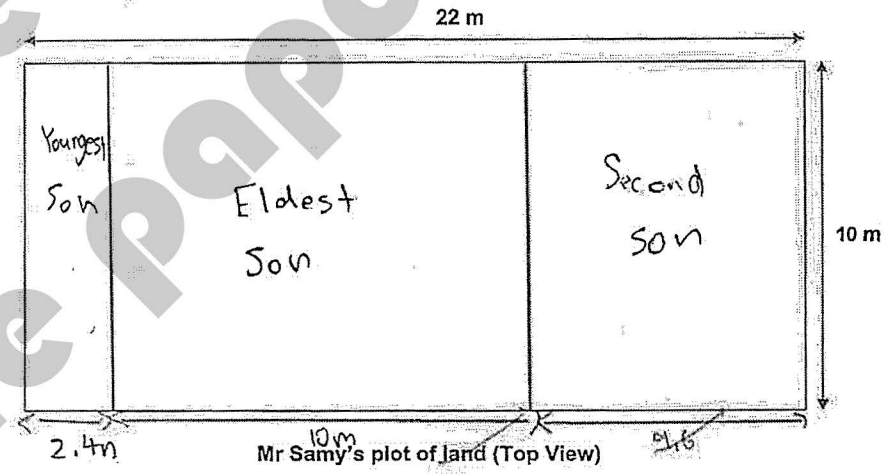

Mr Samy's plot of land (Top View)





*Working Space for Drawing 2*

- **Land Distribution – Drawing 2**




Mr Samy's plot of land (Top View)

From your 2 drawings, which one would the youngest son choose? Give a possible reason for his choice.



SgTestPaper.com
Has more papers
Downloaded from SingaKids.com