STIRLING TUITION

Q3 (Problem Solving Area) Day 39 Name: _____

1. A man has a **square** wall to paint. The **height** of the wall is **3m**. He can only buy the paint he needs in **2 litre tins, which covers 2m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

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2. A man has a **square** wall to paint. The **width** of the wall is **5m**. He can only buy the paint he needs in **3 litre tins, which covers 3m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

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3. A man has a **rectangular** wall to paint. The **height** of the wall is **2m** and the **width** of the wall is **4m**. He can only buy the paint he needs in **2.1 litre tins, which covers 2.1m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

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4. A man has a **rectangular** wall to paint. The **height** of the wall is **1.5m** and the **width** of the wall is **5m**. He can only buy the paint he needs in **2 litre tins, which covers 2m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

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5. A man has a **triangular** wall to paint. The **height** of the wall is **3m** and the **width** of the wall is **5m**. He can only buy the paint he needs in **3 litre tins, which covers 3m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

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6. A man has a **triangular** wall to paint. The **height** of the wall is **7m** and the **width** of the wall is **3m**. He can only buy the paint he needs in **4 litre tins, which covers 4m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

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7. A man has a **square** wall to paint. The **height** of the wall is **1.2m**. He can only buy the paint he needs in **2 litre tins, which covers 2m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

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8. A man has a **square** wall to paint. The **height width** of the wall is **2.3m**. He can only buy the paint he needs in **1 litre tins, which covers 1m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

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9. A man has a **rectangular** wall to paint. The **height** of the wall is **4m** and the **width** of the wall is **3.7m**. He can only buy the paint he needs in **3 litre tins, which covers 3m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

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10. A man has a **rectangular** wall to paint. The **height** of the wall is **2.1m** and the **width** of the wall is **4.5m**. He can only buy the paint he needs in **2 litre tins, which covers 2m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

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11. A man has a **triangular** wall to paint. The **height** of the wall is **3.2m** and the **width** of the wall is **6m**. He can only buy the paint he needs in **2 litre tins, which covers 2m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

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12. A man has a **triangular** wall to paint. The **height** of the wall is **3m** and the **width** of the wall is **6m**. He can only buy the paint he needs in **3 litre tins, which covers 3m² of wall**.

a) Find the **least** number of tins he must buy. Write your answer in the space below.

_____ tins

b) **How much paint is left unused**? Give your answer in **millilitres**. Write your answer in the space below.

_____ ml

STIRLING TUITION

Answers

1. **a) 5** **b) 1000**
2. **a) 9** **b) 2000**
3. **a) 4** **b) 400**
4. **a) 4** **b) 500**
5. **a) 3** **b) 1500**
6. **a) 3** **b) 1500**
7. **a) 8** **b) 1600**
8. **a) 6** **b) 710**
9. **a) 5** **b) 200**
10. **a) 5** **b) 550**
11. **a) 5** **b) 400**
12. **a) 3** **b) 0**