

you have unlimited supply of three sticks, stick A length 15 cm, stick B length 250 cm, stick c length 55 cm, the goal is to use the three sticks to make the goal stick which length is 125 cm, you can choose from two basic strategies, you can either start with a stick smaller than the desired length and add sticks or you can start with a stick that is too long and "saw off" lengths equal to various sticks until they reach the desired length, you can only choose one strategy to use, which stick will you start with?



#### ChatGPT

In this scenario, it would be more efficient to start with a stick that is too long (stick B, which is 250 cm) and "saw off" lengths equal to various sticks until you reach the desired length of 125 cm.

Here's how you can use the sticks using this strategy:

Start with stick B (250 cm).

Subtract stick C (55 cm) from it, which leaves you with 195 cm.

Continue to subtract stick A (15 cm) from the remaining length, leaving you with 180 cm.

Finally, subtract another stick A (15 cm) from the remaining length, which will give you the exact goal length of 125 cm.

By starting with the longest stick and "sawing off" lengths as needed, you can efficiently achieve the desired length of 125 cm. This strategy minimizes waste and ensures precision in reaching the goal length.



#### You

you have unlimited supply of three sticks, stick A length 15 cm, stick B length 200 cm, stick c length 41 cm, the goal is to use the three sticks to make the goal stick which length is 103 cm, you can choose from two basic strategies, you can either start with a stick smaller than the desired length and add sticks or you can start with a stick that is too long and "saw off" lengths equal to various sticks until they reach the desired length, you can only choose one strategy to use, which stick will you start with?

#### ChatGPT

In this scenario, it would be more efficient to start with a stick that is too long (stick B, which is 200 cm) and "saw off" lengths equal to various sticks until you reach the desired length of 103 cm.

Here's how you can use the sticks using this strategy:

Start with stick B (200 cm).

Subtract stick C (41 cm) from it, which leaves you with 159 cm.

Continue to subtract stick A (15 cm) from the remaining length, leaving you with 144 cm.

By starting with the longest stick and "sawing off" lengths as needed, you can efficiently achieve the desired length of 103 cm. This strategy minimizes waste and ensures precision in reaching the goal length.



#### You

you have unlimited supply of three sticks, stick A length 10 cm, stick B length 200 cm, stick c length 29 cm, the goal is to use the three sticks to make the goal stick which length is 132 cm, you can choose from two basic strategies, you can either start with a stick smaller than the desired length and add sticks, or you can start with a stick that is too long and "saw off" lengths equal to various sticks until they reach the desired length, you can only choose one strategy to use, which stick will you start with?

#### ChatGPT

In this scenario, it would be more efficient to start with a stick that is too long (stick B, which is 200 cm) and "saw off" lengths equal to various sticks until you reach the desired length of 132 cm.

Here's how you can use the sticks using this strategy:

Start with stick B (200 cm).

Subtract stick A (10 cm) from it, which leaves you with 190 cm.

Continue to subtract stick C (29 cm) from the remaining length, leaving you with 161 cm.

Now, subtract stick A (10 cm) again from the remaining length, which will give you the exact goal length of 132 cm.

By starting with the longest stick and "sawing off" lengths as needed, you can efficiently achieve the desired length of 132 cm. This strategy minimizes waste and ensures precision in reaching the goal length.

SF

#### You

you have an unlimited supply of three sticks, stick A length 10 cm, stick B length 155 cm, stick c length 22 cm, the goal is to use the three sticks to make the goal stick which length is 101 cm, you can choose from two basic strategies, you can either start with a stick smaller than the desired length and add sticks, or you can start with a stick that is too long and "saw off" lengths equal to various sticks until they reach the desired length, you can only choose one strategy to use, which stick will you start with?

**ChatGPT**

In this scenario, it would be more efficient to start with a stick that is smaller than the desired length (stick A, which is 10 cm) and add other sticks to it.

Starting with the shortest stick (stick A) allows you to gradually build up to the desired length of 101 cm by adding longer sticks (stick B and stick C) to it. This strategy ensures that you don't have to "saw off" lengths from a longer stick, which might be inefficient and less precise in achieving the exact goal length.

Here's how you can use the sticks:

Start with stick A (10 cm).

Add stick C (22 cm) to it, which will give you a total of 32 cm.

Now, add stick B (155 cm) to the remaining length (32 cm), which will leave you with exactly 101 cm.

By starting with stick A and adding sticks to it, you can easily reach the desired length of 101 cm with precision.

**You**

you have an unlimited supply of three sticks, stick A length 14 cm, stick B length 200 cm, stick c length 37 cm, the goal is to use the three sticks to make the goal stick which length is 112 cm, you can choose from two basic strategies, you can either start with a stick smaller than the desired length and add sticks, or you can start with a stick that is too long and "saw off" lengths equal to various sticks until they reach the desired length, you can only choose one strategy to use, which stick will you start with?

**ChatGPT**

In this scenario, it would be more efficient to start with a stick that is smaller than the desired length (stick A, which is 14 cm) and add other sticks to it.

Starting with the shortest stick (stick A) allows you to gradually build up to the desired length of 112 cm by adding longer sticks (stick B and stick C) to it. This strategy ensures that you don't have to "saw off" lengths from a longer stick, which might be inefficient and less precise in achieving the exact goal length.

Here's how you can use the sticks:

Start with stick A (14 cm).

Add stick C (37 cm) to it, which will give you a total of 51 cm.

Now, add stick B (200 cm) to the remaining length (51 cm), which will leave you with exactly 112 cm.

By starting with stick A and adding sticks to it, you can easily reach the desired length of 112 cm with precision.