## Around the Campfire

| Number of People | Cost at Forest Hills | Cost at Red Oaks | Cost at Tepee Park |
| :--- | :--- | :--- | :--- |
| 0 | 120 | 0 | 30 |
| 1 | 120 | 20 | 45 |
| 2 | 120 | 40 | 60 |
| 3 | 120 | 60 | 75 |
| 4 | 120 | 80 | 90 |
| 5 | 120 | 100 | 105 |
| 6 | 120 | 120 | 120 |
| 7 | 120 | 140 | 135 |
| 8 | 120 | 160 | 150 |
| $n$ | 120 | $20 n$ | $15 n+30$ |

## Conclusion:

## For 5 people or less, Red Oaks is cheaper

## For 6 people they are all the same price

## For 7 or more people Forest Hills is cheaper

## An Original Website

X : number of users in the first month
$2 x+1000:$ number of users at the end of the second month
At the end of the third month:

$$
\begin{aligned}
2(2 x+1000) & =x+92000 \\
4 x+2000 & =x+92000 \\
3 x & =90000 \\
x & =30000
\end{aligned}
$$

End of Second month: 61000 users

End of Third month: 122000 users
Number of users to cover cost $=\$ 75000 / \$ 0.80 /$ user

$$
\text { = } 93750 \text { users }
$$

As of the third month they can reimburse the cost.

## Chefs in the Making

```
Christine's Recipe
1 cup butter = 250 mL
2/5 cup sugar = 100 mL
4/5 cup milk = 200 mL
2 cups flour = 500 mL
2 tsp baking powder = 10 mL
4 cups sugar = 1250 mL
1/2 cup butter = 125 mL
2 tbs coffee = 30 mL
4 tbs water = 60 mL
1 tsp cocoa powder = 5 mL
```

The recipes are not equivalent. Every ingredient in Shaun's recipe is $1 \frac{1}{2}$ times Christine's except the butter which is 3 times as much and the cocoa powder which is also 3 times as much.

## Air Ballet

```
Arc length \(\quad=\left(360^{\circ}-23^{\circ}\right)^{*} 2 \pi(6)\)
    \(360^{\circ}\)
    \(=35.29 \mathrm{~m}\)
Total length \(=35.29+2(6)\)
    \(=47.29 \mathrm{~m}\)
```

