March 1, 1901
Here are the scaler's notes for the board feet of timber that we have cut in the first four months of camp. You need to determine if we are on track to reach our goal of 6 million board feet by March 31st. Remember to show your work so I can check it.
—Foreman

<table>
<thead>
<tr>
<th>Month</th>
<th>Days in month</th>
<th>Sundays (days off)</th>
<th>Work days in month</th>
<th>Board Feet (BF) of timber</th>
</tr>
</thead>
<tbody>
<tr>
<td>November</td>
<td>30</td>
<td>4</td>
<td>26</td>
<td>1,166,012</td>
</tr>
<tr>
<td>December</td>
<td>31</td>
<td>6</td>
<td>25</td>
<td>1,120,986</td>
</tr>
<tr>
<td>January</td>
<td>31</td>
<td>4</td>
<td>27</td>
<td>1,144,782</td>
</tr>
<tr>
<td>February</td>
<td>28</td>
<td>4</td>
<td>24</td>
<td>1,286,240</td>
</tr>
<tr>
<td>March</td>
<td>31</td>
<td>4</td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

How many board feet have we cut as of February 28th?

4,718,020 BF

What is the average number of board feet of timber that we are cutting each day? Round your answer to the nearest whole number.

(total board feet) ÷ (total work days)
4,718,020 BF ÷ 102 days ≈ 46,255.10 rounds to 46,255 BF per day

Are we on track to cut 6,000,000 BF by March 31st? (Show your work.)

(days left to work) x (average BF cut per day)
27 x 46,255 = 1,248,885 BF in March
1,248,885 BF + 4,718,020 BF = 5,966,905 BF

No

How many board feet of timber is the camp projected to cut if our jacks also work on Sundays in March? Will the goal be met? By how much?

(days left to work + 4 Sundays in March) x (average BF cut per day)
(27 + 4) x (46,255) = (31) x (46,255) = 1,433,905 BF in March
1,433,905 BF + 4,718,020 BF = 6,151,925 BF

Yes, with 151,925 extra board feet