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>1,154,325</td>
</tr>
<tr>
<td>December</td>
<td>31</td>
<td>6</td>
<td>25</td>
<td>1,246,986</td>
</tr>
<tr>
<td>January</td>
<td>31</td>
<td>4</td>
<td>27</td>
<td>1,264,782</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?

4,952,333 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.

\[
\text{(total board feet)} \div \text{(total work days)} = 4,952,333 \div 102 \approx 48,552.28 \text{ rounds to 48,552 BF per day}
\]

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

\[
\text{(days left to work)} \times \text{(average BF cut per day)} = 27 \times 48,552 = 1,310,904 \text{ BF in March}
\]

1,310,904 BF + 4,952,333 BF = 6,263,237 BF

Yes!

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?

\[
\text{(days left to work + 4 Sundays in March)} \times \text{(average BF cut per day)} = (27 + 4) \times (48,552) = 31 \times (48,552) = 1,505,112 \text{ BF in March}
\]

1,505,112 BF + 4,952,333 BF = 6,457,445 BF

Yes, with 457,445 extra board feet