## Daily Dilemma \#10: Answer Key

1. Work backwards

She used $1 / 4$ of the total amount of soap to clean the clothes because she used half of the remaining half.

So, the 15 bars of soap left is $3 / 4$ of the total amount of soap.
If n is the total number of bars of soap, $15=3 / 4 \cdot \mathrm{n} \rightarrow \mathrm{n}=20$ bars of soap
2. 15 girls were at a party along with 15 mothers.

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3. $26-2-9=15$ hours of praying from Mon. - Friday Then $15 \div 5=3$ hours of praying each day.
4.

| Number <br> of candles | 3 | 4 | 5 | 6 |
| :---: | :---: | :---: | :---: | :---: |
| Number <br> of <br> strawberri <br> es | 3 | 4 | 5 | 6 |

There would be 14 candles so Peter would be 14 years old. Draw a picture.
5.


From the first scale, a soldier is 2 if a doll is 1 . Then a violin is the sum of a soldier and a doll, or $2+1=3$.

On the third scale, the left side has a value of 5 ; the right side has a value of 7 . So, the scale is balanced by putting another solider on the left side.

