Adding and Subtracting Time

You can add and subtract time. Remember that there are 60 minutes (min) in 1 hour (h).

\[
\begin{array}{c}
6 \text{ h} \ 32 \text{ min} \\
+ \ 2 \text{ h} \ 43 \text{ min} \\
\hline
8 \text{ h} \ 75 \text{ min} = 9 \text{ h} \ 15 \text{ min}
\end{array}
\]

\[
\begin{array}{c}
7 \text{ h} \ 16 \text{ min} = 6 \text{ h} + 60 \text{ min} + 16 \text{ min} \\
= 6 \text{ h} + 76 \text{ min}
\end{array}
\]

\[
\begin{array}{c}
8 \text{ h} \ 75 \text{ min} = 8 \text{ h} + 60 \text{ min} + 15 \text{ min} \\
= 9 \text{ h} + 15 \text{ min}
\end{array}
\]

\[
\begin{array}{c}
7 \text{ h} \ 16 \text{ min} = 6 \text{ h} 76 \text{ min} \\
- \ 4 \text{ h} \ 28 \text{ min} \\
\hline
2 \text{ h} \ 48 \text{ min}
\end{array}
\]

Add or subtract. Then solve each problem.

1. \[10 \text{ h} \ 20 \text{ min} \quad 2. \ 5 \text{ h} \ 45 \text{ min} \quad 3. \ 9 \text{ h} \ 27 \text{ min}
- \ 7 \text{ h} \ 47 \text{ min} \quad + \ 4 \text{ h} \ 34 \text{ min} \quad - \ 5 \text{ h} \ 54 \text{ min}

4. A plane left an airport at 1:23 P.M. It arrived at its destination in the same time zone at 4:10 P.M. How long was the flight?

5. Mr. Larson put a roast in the oven at 2:45 P.M. He cooked the roast for 3 hours 48 minutes. What time did Mr. Larson take the roast out of the oven?

6. Gabriel watched 3 old movies on videotape. The first movie was 62 minutes long. The second was 1 hour 34 minutes long. The third was 1 hour 25 minutes long. He started watching at 3:15 P.M. At what time did the last movie end?

7. How could you check your answers? Explain and give an example using one of the exercises above.
Adding and Subtracting Time

You can add and subtract time. Remember that there are 60 minutes (min) in 1 hour (h).

\[
\begin{align*}
6 \text{ h} & \quad 32 \text{ min} \\
+ \quad 2 \text{ h} & \quad 43 \text{ min} \\
\hline
8 \text{ h} & \quad 75 \text{ min} = 9 \text{ h} 15 \text{ min}
\end{align*}
\]

\[
\begin{align*}
7 \text{ h} & \quad 16 \text{ min} \\
- \quad 4 \text{ h} & \quad 28 \text{ min} \\
\hline
2 \text{ h} & \quad 48 \text{ min}
\end{align*}
\]

\[
\begin{align*}
8 \text{ h} & \quad 75 \text{ min} = 8 \text{ h} + 60 \text{ min} + 15 \text{ min} \\
= \quad 9 \text{ h} & \quad 15 \text{ min}
\end{align*}
\]

\[
\begin{align*}
7 \text{ h} & \quad 16 \text{ min} = 6 \text{ h} + 60 \text{ min} + 16 \text{ min} \\
= \quad 6 \text{ h} & \quad 76 \text{ min}
\end{align*}
\]

Add or subtract. Then solve each problem.

1. 10 h 20 min
   \[2 \text{ h} 33 \text{ min}\]

2. 5 h 45 min
   \[10 \text{ h} 19 \text{ min}\]

3. 9 h 27 min
   \[3 \text{ h} 33 \text{ min}\]

4. A plane left an airport at 1:23 P.M. It arrived at its destination in the same time zone at 4:10 P.M. How long was the flight?
   \[2 \text{ h} 47 \text{ min}\]

5. Mr. Larson put a roast in the oven at 2:45 P.M. He cooked the roast for 3 hours 48 minutes. What time did Mr. Larson take the roast out of the oven?
   \[6:33 \text{ P.M.}\]

6. Gabriel watched 3 old movies on videotape. The first movie was 62 minutes long. The second was 1 hour 34 minutes long. The third was 1 hour 25 minutes long. He started watching at 3:15 P.M. At what time did the last movie end?
   \[7:16 \text{ P.M.}\]

7. How could you check your answers? Explain and give an example using one of the exercises above. Answers will vary. Possible answer:

   You could check each problem because addition and subtraction are inverse operations. For exercise 1, 2 h 33 min added to 7 h 47 min equals 10 h 20 min.