



Time Subtraction - How to Subtract Hours and Minutes?

FREE Worksheet - 5

Time: 10 minutes

(Detailed solutions at the end)

1. It took 3 hours to fill a tank then empty it.

It took 2 h 30 min to fill the tank.

How long did it take to empty the tank?



Answer: _____

2. $5 \text{ h } 40 \text{ min} - 3 \text{ h } 30 \text{ min} = \text{_____ h } \text{_____ min}$

Answer: _____



3. $12 \text{ h } 5 \text{ min} - 3 \text{ h } 40 \text{ min} = \underline{\hspace{1cm}} \text{ h } \underline{\hspace{1cm}} \text{ min}$

Answer:

4. Felicia walked 6 h 20 min last week.

She walked 4 h 50 min this week.

How much longer did she walk last week than this week?



Answer:



SOLUTIONS

Problem 1

We have to find out:

$$3 \text{ h } 0 \text{ min} - 2 \text{ h } 30 \text{ min} = ?$$

First, subtract the minutes.

We cannot subtract 30 min from 0 min.

So, we regroup 3 h 0 min.

$$0 \text{ min} - 30 \text{ min} = ?$$

Regroup 3 h 0 min.

$$3 \text{ h } 0 \text{ min} = 2 \text{ h } 60 \text{ min}$$

Then, subtract.

$$\begin{aligned} 3 \text{ h } 0 \text{ min} - 2 \text{ h } 30 \text{ min} &= 2 \text{ h } 60 \text{ min} - 2 \text{ h } 30 \text{ min} \\ &= 30 \text{ min} \end{aligned}$$

It took *30 minutes* to empty the tank.



Problem 2

First, subtract the minutes.

$$40 \text{ min} - 30 \text{ min} = 10 \text{ min}$$

Then, subtract the hours.

$$5 \text{ h} - 3 \text{ h} = 2 \text{ h}$$

So,

$$5 \text{ h } 40 \text{ min} - 3 \text{ h } 30 \text{ min} = 2 \text{ h } 10 \text{ min}$$

Problem 3

First, subtract the minutes.

We cannot subtract 40 min from 5 min.

So, we regroup 12 h 5 min.

$$5 \text{ min} - 40 \text{ min} = ?$$

Regroup 12 h 5 min.

$$12 \text{ h } 5 \text{ min} = 11 \text{ h } 65 \text{ min}$$

Then, subtract.

$$\begin{aligned} 12 \text{ h } 5 \text{ min} - 3 \text{ h } 40 \text{ min} &= 11 \text{ h } 65 \text{ min} - 3 \text{ h } 40 \text{ min} \\ &= 8 \text{ h } 25 \text{ min} \end{aligned}$$



Problem 4

We have to find out:

$$6 \text{ h } 20 \text{ min} - 4 \text{ h } 50 \text{ min} = ?$$

First, subtract the minutes.

We cannot subtract 50 min from 20 min.

So, we regroup 6 h 20 min.

$$20 \text{ min} - 50 \text{ min} = ?$$

Regroup 6 h 20 min.

$$6 \text{ h } 20 \text{ min} = 5 \text{ h } 80 \text{ min}$$

Then, subtract.

$$\begin{aligned} 6 \text{ h } 20 \text{ min} - 4 \text{ h } 50 \text{ min} &= 5 \text{ h } 80 \text{ min} - 4 \text{ h } 50 \text{ min} \\ &= 1 \text{ h } 30 \text{ min} \end{aligned}$$

She walked *1 h 30 min* longer last week than this week.