Time Subtraction - How to Subtract Hours and Minutes?

FREE Worksheet - 4

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. 8 h 25 min − 4 h 50 min = _____ h _____ min

    Answer: _____

3. Chelsea did 4 h 25 min of yoga.

    She did 2 h 35 min of aerobics.

    How much longer did she spend doing yoga than aerobics?

    Answer: _____

4. Brooke took 3 h 25 min to sort out photos and arrange them in an album.

    She took 2 h 45 min to sort out the photos.

    How long did she take to arrange them in the album?

    Answer: _____

SOLUTIONS

Problem 1

We have to find out:

3 h 0 min − 2 h 30 min = ?

First, subtract the minutes.

We cannot subtract 30 min from 0 min.
So, we regroup 3 h 0 min.

0 min − 30 min = ?

Regroup 3 h 0 min.
3 h 0 min = 2 h 60 min

Then, subtract.

3 h 0 min − 2 h 30 min   =   2 h 60 min − 2 h 30 min
                           =   30 min

It took 30 minutes to empty the tank.

Problem 2

First, subtract the minutes.

We cannot subtract 50 min from 25 min.

So, we regroup 8 h 25 min.

25 min − 50 min = ?

Regroup 8 h 25 min.

8 h 25 min = 7 h 85 min

Then, subtract.

8 h 25 min − 4 h 50 min   =   7 h 85 min − 4 h 50 min

                                =   3 h 35 min

Problem 3

We have to find out:

4 h 25 min − 2 h 35 min = ?

First, subtract the minutes.

We cannot subtract 35 min from 25 min.

So, we regroup 4 h 25 min.

25 min − 35 min = ?

Regroup 4 h 25 min.

4 h 25 min = 3 h 85 min

Then, subtract.

4 h 25 min − 2 h 35 min   =   3 h 85 min − 2 h 35 min

          =   1 h 50 min

She spent *1 h 50 min* longer doing yoga than aerobics.

Problem 4

We have to find out:

3 h 25 min − 2 h 45 min = ?

First, subtract the minutes.

We cannot subtract 45 min from 25 min.
So, we regroup 3 h 25 min.
25 min − 45 min = ?

Regroup 3 h 25 min.
3 h 25 min = 2 h 85 min

Then, subtract.

3 h 25 min − 2 h 45 min   =   2 h 85 min − 2 h 45 min

          =   0 h 40 min

She took *0 h 40 min* to arrange them in the album.