

Y5 Time Problems

KS2 Y5 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

How many minutes are in 3 1/2 hours?

Step 1 · 1 hour = 60 minutes

3 hours = 180 minutes

Step 2 · 1/2 hour

30 minutes

Answer: 210 minutes

Check: $210 \div 60 = 3 \text{ r } 30$ ✓

2. Now try one with the steps

A film starts at 18:40 and lasts 1 hour 55 minutes. When does it finish?

Step 1 · Add the hour

Step 2 · Add 20 minutes to reach 20:00

Step 3 · 20:00 + 35 min

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. How many seconds are in 4 minutes?

2. How many hours are in 3 days?

3. How many days are in 6 weeks?

4. Write 150 minutes in hours and minutes.

5. How many months are in 4 years?

6. Write 200 seconds in minutes and seconds.

7. A lesson starts at 13:15 and lasts 50 minutes. When does it end?

8. Write $2\frac{3}{4}$ hours in minutes.

9. A bus leaves at 07:52 and arrives at 09:14. How long is the journey?

10. A cake needs 1 hour 25 minutes in the oven. It must be ready at 16:00. What is the latest time it can go in?

11. Dev ran 5 laps. Each lap took 1 minute 48 seconds. What was his total time?

12. Which is longer: 1,000 seconds or 16 minutes?

13. A leap year has 366 days. How many hours is that?

14. Swimming club runs from 17:45 to 19:10 every Tuesday. How many minutes is that over 4 weeks?

4. Before you hand it in

Working out 10:48 to 13:05 as $13.05 - 10.48 = 2.57$, so 2 h 57 min.

There are 60 minutes in an hour, not 100. Count on to the next hour, then whole hours, then the minutes left: 2 h 17 min.

Writing 150 minutes as 1 h 50 min.

$150 \div 60 = 2$ remainder 30, so 150 minutes = 2 h 30 min.

Thinking 2.5 hours is 2 h 50 min.

0.5 of an hour is half an hour, which is 30 minutes. 2.5 hours = 2 h 30 min.