

Stage 5 Cambridge Primary Mathematics Practice Worksheet

Friday 14 August 2026

Syllabus Focus: Objective 5Gt.04 — Decimals and Mixed Units for Time Intervals

Topic: Converting and comparing time intervals in decimal form and mixed units

Time Allowed: 30 Minutes | **Total Marks:** 20 Marks

Section A: Decimals vs. Base-60 Misconceptions

Question 1 [1 Mark]

Choose the correct equivalent value:

1.5 hours = _____

- **A:** 1 hour 50 minutes
- **B:** 1 hour 30 minutes
- **C:** 1 hour 5 minutes

Answer: Letter _____

Question 2 (TWM.07 Critiquing / Misconception Check) [2 Marks]

Kundai timed a running race and recorded her friend's time as 3.5 minutes.

She tells her teacher: "*That means 3 minutes and 50 seconds.*"

(a) Explain why Kundai's conversion is incorrect. [1]

(b) Write 3.5 minutes correctly in **minutes and seconds**. [1]

Answer: _____ minutes _____ seconds

Question 3 [2 Marks]

Match each decimal time interval on the left to its equivalent mixed unit interval on the right.

[Grab your

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left to its equivalent mixed

- 0.25 hours → _____ minutes
- 0.5 hours → _____ minutes
- 0.75 hours → _____ minutes

Section B: Conversions Between Decimals and Mixed Units

Question 4 [2 Marks]

Convert the following decimal time intervals into **hours and minutes**:

(a) 2.5 hours = _____ hour(s) _____ minutes [1]

(b) 4.25 hours = _____ hour(s) _____ minutes [1]

Question 5 [2 Marks]

Convert the following mixed unit time intervals into **decimal hours**:

(a) 1 hour 15 minutes = _____ hours [1]

(b) 3 hours 45 minutes = _____ hours [1]

Section C: Matching and Sorting Time Cards

Question 6 (TWM.01 Specialising) [2 Marks]

Look at the four time interval cards below:

Card A:

2.75 hours

Card B:

2 hrs 45 mins

Card C:

2.5 hours

Card D:

2 hrs 30 mins

Group the cards into two pairs of **equivalent time intervals**:

- Pair 1: Card _____ and Card _____ [1]

- Pair 2: Card _____ and Card _____ [1]

Question 7 [2 Marks]

Write $<$, $>$, or $=$ to make each statement true.

(a) 1.5 hours _____ 1 hour 45 minutes [1]

(b) 2.25 minutes _____ 2 minutes 15 seconds [1]

Section D: Application and Problem Solving

Question 8 [2 Marks]

A movie has a running time of 2.5 hours.

The cinema show starts at **1:15 p.m.**

(a) How many minutes long is the movie? [1]

Answer: _____ minutes

(b) At what time will the movie end? [1]

Answer: _____ **p.m.**

Question 9 [2 Marks]

Tendai studied Mathematics for 1.25 hours and Science for 1 hour 30 minutes.

(a) Express Tendai's Mathematics study time in **hours and minutes**. [1]

Answer: _____ hour(s) _____ minutes

(b) What was Tendai's total study time for both subjects combined? Give your answer as a **decimal in hours**. [1]

Answer: _____ hours

Question 10 [3 Marks]

Three swimmers recorded their lap practice durations:

- **Swimmer A:** 1.75 minutes
- **Swimmer B:** 1 minute 40 seconds
- **Swimmer C:** 1.5 minutes

(a) Convert Swimmer A's time into **minutes and seconds**. [1]

Answer: _____ minute(s) _____ seconds

(b) Convert Swimmer C's time into **seconds**. [1]

Answer: _____ seconds

(c) Put the three swimmers in order of speed, starting with the **fastest** (shortest time). [1]

Fastest: _____, _____, _____:Slowest