Year 5 | Measurement

12-hour and 24-hour time

Learn and practise | Free preview

A sample from this topic. The complete topic collection contains three different resources and worked solutions.

Show your thinking using words, working or a labelled drawing. Use the explanations and example first.

What you will practise

• 12-hour and 24-hour time

• Explain and check an answer with an appropriate representation.

Useful starting skills: Use objects, drawings or a number line to explain a simple idea.

Time calculations use 60 minutes per hour, not 100. Read the starting and finishing times carefully, including am/pm and whether the journey crosses midnight.

Use a timeline with jumps to the next hour. Convert to minutes when useful. For itineraries, include transfer, walking and waiting time rather than counting only the main journey.

Worked example

Find the time from 09:45 to 11:20.

09:45→10:00 is 15 minutes; 10:00→11:00 is 60 minutes.

Add 20 more minutes:15+60+20=95 minutes.

Answer: 1 hour 35 minutes

Try it yourself

Name: _____ Date: _____

1. Convert 06:45 from 24-hour time to 12-hour time.

2. Convert 12:00 from 24-hour time to 12-hour time.

Answers and explanations

Check the method as well as the final answer. An alternative correct method is also valid.

1. 6:45 am

Hours 00–11 are am; 12 is noon/pm; subtract 12 from hours 13–23 for the pm display.

2. 12:00 pm

Hours 00–11 are am; 12 is noon/pm; subtract 12 from hours 13–23 for the pm display.

Curriculum reference: VC2M5M03

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