

Lesson 4: Converting times (2)

→ pages 67–69

1. a)



01:05

b)



19:00

Reflect

Explanations will vary. Children should recognise that 24-hour times have 4 digits and 12-hour times need to specify whether they are 'am' or 'pm'; for example:

To convert a 12-hour am time to 24-hour:

If the hour is 12, replace with 00; if the hour is 1 to 9, write a 0 in front; if the hour is 10 or 11, leave as is.

To convert a 12-hour pm time to 24-hour:

If the hour is 12, leave as is; if the hour is 1 to 11, add 12.

To convert a 24-hour time to 12-hour:

If the hour is 00, replace with 12 and write 'am' after the time; if the hour is 01 to 09, remove the 0 and write 'am'; if the hour is 10 or 11, write 'am'; if the hour is 12, write 'pm'; if the hour is 13 to 23, subtract 12 and write 'pm'.

c)



23:41

d)



08:28

e)



00:02

2. a) 00:00



c) 20:16



b) 13:42



d) 09:51



3. a) 03:42

24-hour time is written using 4 digits so you need to put a zero before the 3.

b) 15:42

No need for the pm after a 24-hour time.

4. Max's watch will show 15:47.

5. Many answers are possible; for example:

05:12	5:12 am
10:07	10:07 am
13:04	1:04 pm
14:30	2:30 pm

Lesson 5: Problem solving – units of time

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- Team A was the first to complete Stage I. It took 9 days.
 - It took 3 weeks and 2 days altogether for Team B to complete Stages 1 and 2.
 - Team A took 49 days.
Team B took 51 days.
Team A reached the summit 2 days before Team B.
- 1 minute 40 seconds
3 minutes 50 seconds
7 minutes 20 seconds
1 hour 15 minutes
3 hours 32 minutes

3.



- Dan (21 months) > Ben (22 months) > Abdul (24 months) > Cerys (25 months)
- The bus left the station at 12:27.

Reflect

Explanations may vary; for example:

Divide 108 by 12 to get 9 years.

End of unit check

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My journal

Answers will vary, but children should work out that 100 months is 8 years and 4 months, or convert their ages from years to months and compare.

Power puzzle

06:56 = 6:56 am

3 hours 46 minutes = 226 minutes

60 months = 5 years

clock showing 4 minutes to 6 = 17:56

8 weeks 4 days = 60 days

4 years 11 months = 59 months

clock showing 10 past 1 = 13:10

Odd one out is 01:02.

Unit 14: Statistics

Lesson 1: Charts and tables (I)

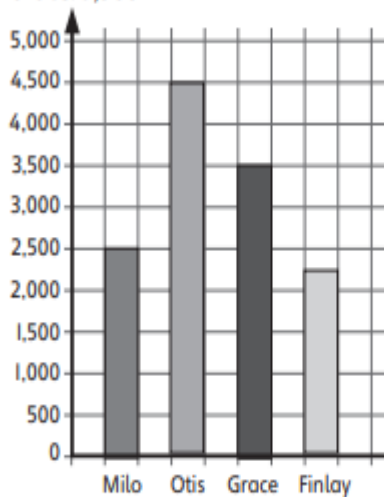
→ pages 75–77

- Each icon represents 8. Each half icon represents 4.
 $8 + 8 + 4 = 20$
 Kieron has 20 jigsaw piece cards.
 - Each quarter icon represents 2.
 Kieron has 34 normal cards.
 - Amy has 25 shiny cards.
- Evie read 20 fiction books.
 Gracie read 8 non-fiction books.
 Otis read 3 poetry books.
 Gracie read 37 books in total.

3.

	Number of books read
Otis	■ ■ ■ ■
Evie	■ ■ ■ ■ ■ ■ ■ ■
Gracie	■ ■ ■ ■ ■ ■ ■ ■ ■ ■

4. Milo: 2,500
Grace: 3,500

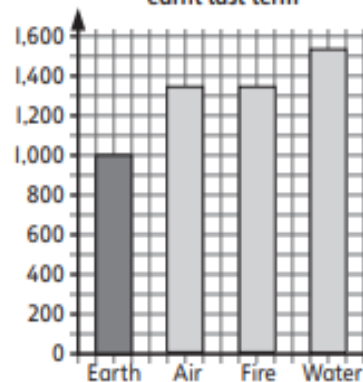


5. Number of class points per team in Year 4

Each ● represents 100 points.

	Items
Earth	● ● ●
Air	● ● ● ● ● ●
Fire	● ● ● ● ●
Water	● ● ● ● ● ● ●

Total number of class points earned last term



Reflect

Children may give different answers but should be able to give reasons; for example:

Pictograms are the best way to display data because it is easy to count the pictures.

Bar charts are the best way to display data because you can read the data using the scale on the axis.