

Year 4: Units of time: seconds, minutes, hours, days and weeks: answers

Year 4 - Telling the Time and the 24-Hour Clock - Lesson 8.4

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch08-time/units-of-time-seconds-minutes-hours-days-and-weeks/

Exercise 8D Changing units of time Non-calculator

1 Change these hours into minutes.

(a) 2 hours

Answer: 120 minutes

(b) 5 hours

Answer: 300 minutes

(c) 7 hours

Answer: 420 minutes

(d) 12 hours

Answer: 720 minutes

2 Change these minutes into seconds.

(a) 3 minutes

Answer: 180 seconds

(b) 6 minutes

Answer: 360 seconds

(c) 10 minutes

Answer: 600 seconds

(d) 15 minutes

Answer: 900 seconds

3 Change these minutes into hours.

(a) 120 minutes

Answer: 2 hours

(b) 240 minutes

Answer: 4 hours

(c) 420 minutes

Answer: 7 hours

(d) 600 minutes

Answer: 10 hours

4 Change each time to the unit shown.

(a) 2 days into hours

Answer: 48 hours

(b) 4 days into hours

Answer: 96 hours

(c) 3 weeks into days

Answer: 21 days

(d) 8 weeks into days

Answer: 56 days

5 Change these days into weeks and days.

(a) 16 days

Answer: 2 weeks 2 days

(b) 29 days

Answer: 4 weeks 1 day

(c) 45 days

Answer: 6 weeks 3 days

(d) 60 days

Answer: 8 weeks 4 days

6 Change each time into the smaller unit.

(a) 2 hours 20 minutes into minutes

Answer: 140 minutes

(b) 3 hours 5 minutes into minutes

Answer: 185 minutes

(c) 1 minute 45 seconds into seconds

Answer: 105 seconds

(d) 4 weeks 3 days into days

Answer: 31 days

7 Change each time into the bigger unit and the smaller unit.

(a) 125 minutes into hours and minutes

Answer: 2 hours 5 minutes

- (b) 200 minutes into hours and minutes

Answer: 3 hours 20 minutes

- (c) 150 seconds into minutes and seconds

Answer: 2 minutes 30 seconds

- (d) 50 hours into days and hours

Answer: 2 days 2 hours

8 Change each of these times into minutes.

- (a) a half hour

Answer: 30 minutes

- (b) a quarter of an hour

Answer: 15 minutes

- (c) $1\frac{1}{2}$ hours

Answer: 90 minutes

- (d) $2\frac{3}{4}$ hours

Answer: 165 minutes

9 Write $<$, $>$ or $=$ in each box.

- (a) 2 hours [] 100 minutes

Answer: $>$

- (b) 3 minutes [] 200 seconds

Answer: $<$

- (c) 2 days [] 50 hours

Answer: $<$

10 A film is 95 minutes long. How long is that in hours and minutes?

Answer: 1 hour 35 minutes

11 Zainab practises the piano for 20 minutes every day for a week. How long does she practise in total? Give your answer in hours and minutes.

Answer: 2 hours 20 minutes

12 A baby sleeps for 14 hours each day. How many hours does the baby sleep in one week?

Answer: 98 hours

13 Aisha says, "1.5 hours is 1 hour 50 minutes." What mistake has she made? What is the correct answer?

Answer: 1 hour 30 minutes

14 Noah says, "3 weeks is 20 days." Is he correct? Explain.

Answer: No. 3 weeks = 21 days

15 Challenge. Work these out.

- (a) How many seconds are there in 1 hour?

Answer: 3,600 seconds

- (b) How many minutes are there in 1 day?

Answer: 1,440 minutes