Worksheet - Time: telling the time and durations

Year: Year 3 · 20

Show your working.

Question 1

Question 1 – Telling the time *(Section A · Practice)*

Write the time shown on each clock.

a. 

b. 

c. 

d. 

Question 2

Question 2 – Roman numerals *(Section A · Practice)*

Write each Roman numeral as a number, or each number as a Roman numeral.

a. VII
b. IX
c. XI
d. 4
e. 12

Question 3

Question 3 – 12-hour and 24-hour times *(Section A · Practice)*

Write each time using the 24-hour clock.

a. 3:30 p.m.
b. 9:15 a.m.
c. 8:45 p.m.
d. 12 noon
e. Midnight

Question 4

Question 4 – From 24-hour to 12-hour *(Section A · Practice)*

Write each time using a.m. or p.m.

a. 07:20
b. 13:05
c. 18:40
d. 23:15
e. 00:30

Question 5

Question 5 – Units of time *(Section A · Practice)*

Convert each measure of time.

a. 3 minutes = __ seconds
b. 2 hours = __ minutes
c. 180 seconds = __ minutes
d. How many days in 4 weeks?
e. How many days in March?

Question 6

Question 6 – Months and years *(Section A · Practice)*

Answer each question about the calendar.

a. How many days are in April?
b. How many months have 31 days?
c. How many days are in a leap year?
d. How many months are in 2 years?

Question 7

Question 7 – The school day *(Section B · Real-life practice)*

The school day in Year 3 follows this timetable. Maths starts at 9:00 a.m. and lasts 45 minutes. Break is at 10:30 a.m. for 15 minutes. Lunch starts at 12:15 p.m. and lasts 60 minutes. School ends at 3:20 p.m.

Event	Start	Lasts
Maths	9:00 a.m.	45 min
Break	10:30 a.m.	15 min
Lunch	12:15 p.m.	60 min

a. When does the maths lesson end?
b. When does break end?
c. When does lunch end?
d. How long is the afternoon, from 1:15 p.m. until 3:20 p.m.?

Question 8

Question 8 – The cinema *(Section B · Real-life practice)*

Mia and her friends go to the cinema. The film Space Pups starts at 2:40 p.m. and ends at 4:15 p.m.

a. How long is the film in hours and minutes?
b. How many minutes is that altogether?
c. They arrive 20 minutes before the start. What time do they arrive?
d. Write the start and end times in 24-hour time.

Question 9

Question 9 – The train journey *(Section B · Real-life practice)*

Ravi catches a train to visit his grandma. The timetable shows the times of the train.

Station	Arrive	Leave
Leeds	-	10:05
York	10:30	10:40
London	12:55	-

a. How long is the journey from Leeds to York?
b. How long is the journey from York to London?
c. The train waits in York from 10:30 until 10:40. How many minutes is that?
d. How long is the whole trip, from 10:05 to 12:55?

Question 10

Question 10 – Swimming lessons *(Section B · Real-life practice)*

Ella’s swimming lesson starts at 4:45 p.m. and lasts 40 minutes. It takes her 15 minutes to walk home after the lesson.

a. What time does the lesson end?
b. What time does she get home?
c. Write the time she gets home using the 24-hour clock.
d. She goes to bed at 8:30 p.m. How long is it from getting home until bed?

Question 11

Question 11 – Baking a cake *(Section B · Real-life practice)*

Zara bakes a cake. She starts mixing at 1:50 p.m. Mixing takes 20 minutes, baking takes 45 minutes and cooling takes 30 minutes.

a. When does the mixing finish?
b. When does the cake come out of the oven?
c. When is the cake cool enough to eat?
d. How long is it from 1:50 p.m. to 3:25 p.m. in total?

Question 12

Question 12 – Football match *(Section B · Real-life practice)*

A football match has two halves of 45 minutes with a break of 15 minutes between them. The match kicks off at 11:00 a.m.

a. When does the first half end?
b. When does the second half start?
c. When does the match end?
d. How long is the whole match with the break, in minutes?

Question 13

Question 13 – The calendar *(Section B · Real-life practice)*

Look at the dates in the table. School holidays and special days are shown.

Event	Date
Sports Day	18 June
Maths week	18 July
Summer fair	5 September

a. Sports Day is on 18 June. Maths week is on 18 July. How many days are there from 18 June to 18 July?

b. How many days are there from 25 August to 5 September?
c. Sports Day is on a Tuesday. What day of the week is it 7 days later?
d. Anya's birthday is on 29 February in a leap year. How many days does the year have?

Question 14

Question 14 – The bus timetable *(Section B · Real-life practice)*

A bus runs between Bridge Street and the school. The bus times are shown.

a. The bus leaves Bridge Street at 7:50 a.m. and arrives at school at 8:25 a.m. How long is the journey?
b. School starts at 8:45 a.m. How long before school starts does the bus arrive?
c. The next bus leaves 30 minutes later. When does it leave?
d. Write 8:20 a.m. in 24-hour time.

Question 15

Question 15 – Problem: the holiday trip *(Section C · Problem solving)*

The Khan family travel to the seaside for a day trip. They leave home at 07:45 and drive for 1 hour 50 minutes. They stop for a break of 25 minutes. Then they drive for 55 minutes to reach the beach.

a. At what time do they stop for the break?
b. At what time does the break end?
c. At what time do they reach the beach?
d. How long is the whole journey, including the break?

Question 16

Question 16 – Problem: the film marathon *(Section C · Problem solving)*

A cinema shows three films in a row. Film A lasts 1 h 30 min, film B lasts 2 h 5 min and film C lasts 1 h 45 min. There is a 15-minute break after each film but the last one. The first film starts at 10:00 a.m.

Film	Length
A	1 h 30 min
B	2 h 5 min
C	1 h 45 min

a. When does film A end?
b. When does film B start and end?
c. When does film C start and end?
d. How long is the whole marathon, from 10:00 a.m. to 3:50 p.m.?

Question 17

Question 17 – Problem: spot the mistakes *(Section C · Problem solving)*

Tom does homework about time. Check each answer. If it is wrong, find the mistake and give the right answer.

a. 3:45 p.m. = 03:45 in 24-hour time
b. 2 hours 10 minutes = 130 minutes
c. A film starts at 4:50 p.m. and lasts 40 minutes, so it ends at 5:30 p.m.
d. IX means 11

Question 18

Question 18 – Problem: the athletes *(Section C · Problem solving)*

Four children run the 100 m race at sports day. Their times in seconds are in the table. A time of 60 seconds is one minute.

Child	Time (seconds)
Aisha	21
Ben	18
Cara	19
Dev	24

a. Who was the fastest and who was the slowest?
b. How many seconds faster was Ben than Dev?
c. Aisha ran for 21 seconds and Cara for 19 seconds. Put all four children in order from fastest to slowest.
d. The four times added together make how many seconds? How many minutes and seconds?

Question 19

Question 19 – Problem: the day at the zoo *(Section C · Problem solving)*

A school group visits the zoo. They arrive at 09:30. The tour of the penguin house lasts 35 minutes and the feeding show lasts 40 minutes. They have lunch for 50 minutes and then spend 1 hour 15 minutes in the reptile house. They leave at 15:00.

a. When does the penguin tour end?
b. The feeding show starts right after the tour. When does it end?
c. Lunch follows the show. When does lunch end?
d. The reptile house follows lunch. How long is left at the zoo after the reptile house until they leave?

Question 20

Question 20 – Challenge: the clock puzzle *(Section D · Challenge)*

Look at the digital clock times below. Each time uses four digits on the 24-hour clock.

a. How many minutes are there between 09:55 and 10:20?
b. What is the latest time on the 24-hour clock? And the earliest?
c. A clock shows 12:34. In how many minutes does it show 13:00? How many minutes since 12:00?