# Independent Recap

## Measurement
## Week 12

## Year 2

THIRD SPACE LEARNING

## Arithmetic

| | | | |
|---|---|---|---|
| **1.** 100 – 50 | **2.** 38 + 28 | **3.** 5 x ? = 25 | **4.** $\frac{3}{4}$ of 16 |

## Practice: Telling Time to 5 Minutes

**5.** Match the clocks to the times.

5 minutes past 5

5 minutes past 3

20 minutes past 4

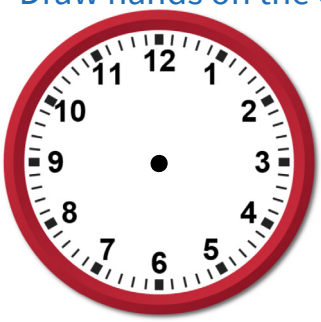
**6.** Match the clocks to the times.

25 minutes to 6

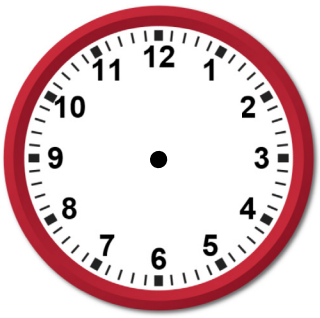
5 minutes to 10

10 minutes to 5

**7.** Draw hands on the clocks to show the times.



20 minutes to 4



10 minutes past 12

**You might want to talk to an adult**

**Use resources to help you**

**Spot the mistake**

**8.** Complete the labels.

☐ o'clock

☐ minutes past 2

Quarter ☐ 2

25 minutes ☐ 2

**9.** Explain how counting in fives can help when reading the time to the nearest five minutes.

**10.** The time is 5 minutes to 7.

Is this right? Explain.

Challenge

**11.** Pick a starting time and show it on the clock and write the time under the clock. Complete the other clocks and write the times based on the time you chose.

start

5 minutes later

5 minutes earlier

15 minutes later

10 minutes earlier

# Answers

| Q no. | Question | Answer |
|---|---|---|
| 1 | 100 – 50 | 50 |
| 2 | 38 + 28 | 66 |
| 3 | 5 x ? = 25 | 5 |
| 4 | $\frac{3}{4}$ of 16 | 12 |
| 5 | Match the clocks to the times. | Lines drawn to match clocks to correct labels. |
| 6 | Match the clocks to the times. | Lines drawn to match clocks to correct labels. |
| 7 | Draw hands on the clocks to show the times. | Longer minute hand drawn pointing to 8 and shorter hour hand just before 4.<br>Longer minute hand drawn pointing at 2 and shorter hour hand just after 12. |
| 8 | Complete the labels. | 2, five minutes past 2, 10, past, 20 minutes past 2, past, half past 2 |
| 9 | Explain how counting in fives can help when reading the time to the nearest five minutes. | Pupils should identify that they can count the minutes (not hours) in fives. |
| 10 | The time is 5 minutes to 7. Is this right? Explain. | The pupil has become confused as the hour hand is so close to the 6. They have assumed that they need to go to the next hour (7). The correct time is 5 minutes to 6. |
| 11 | Pick a starting time and show it on the clock and write the time under the clock. Complete the other clocks and write the times based on the time you chose. | Answers will vary depending on the start time.<br>Accept answers that show accurate clocks and written time based on the original time. |

## Arithmetic

| | | | |
|---|---|---|---|
| **1.** 90 ÷ 10 | **2.** 35 + 39 | **3.** 56 – 29 | **4.** 20 more than 45 |

## Practice: Hours and Days

**5.** Complete the sentences.

There are ____ minutes in an hour.
There are ____ minutes in half an hour.
There are ____ minutes in quarter of an hour.
There are ____ minutes in one and a half hours.
There are ____ minutes in 2 hours.

**6.** A bus leaves town at 10 o'clock and takes one hour to get to the train station.

What time does the bus arrive at the train station? ____

**7.** Complete the information.

a. 

b. 

c. 

30 minutes earlier than: a. ____ b. ____ c. ____

60 minutes later than: a. ____ b. ____ c. ____

**You might want to talk to an adult** **Use resources to help you** **Spot the mistake**

**8.** Complete the sentence.

There are ☐ hours in one day.

**9.** How would you work out how many half an hours there are in three hours?

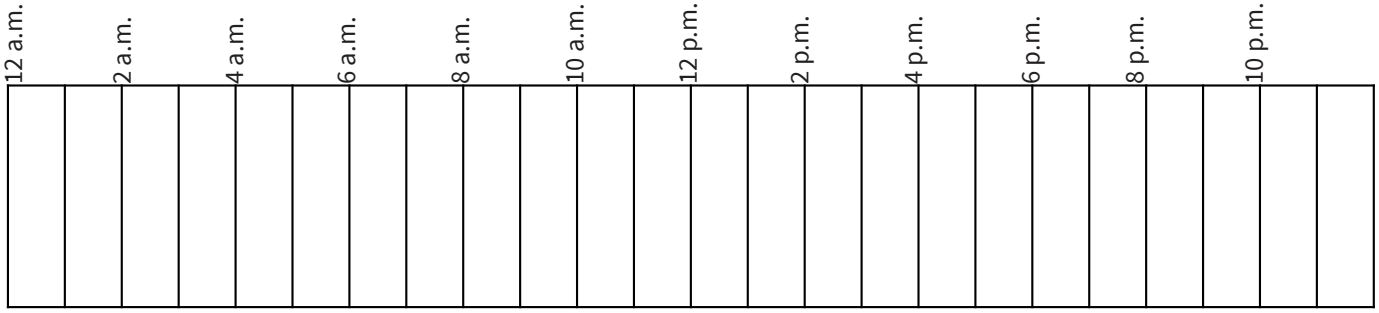
**10.** Judah says there are 200 minutes in two hours.

Is Judah right?

Explain your answer.

Challenge

**11.** Show roughly what you did yesterday using the day planner below. Think about when you were asleep and when you had your meals.



# Answers

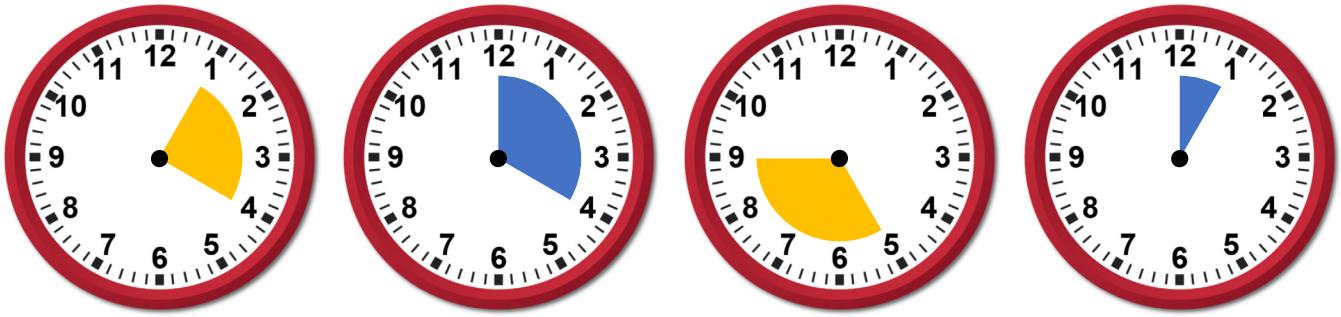
| Q no. | Question | Answer |
|---|---|---|
| 1 | 90 ÷ 10 | 9 |
| 2 | 35 + 39 | 74 |
| 3 | 56 – 29 | 27 |
| 4 | 20 more than 45 | 65 |
| 5 | Complete the sentences. | 60, 30, 15, 90, 120 |
| 6 | A bus leaves town at 10 o'clock and takes one hour to get to the train station. | 11 o'clock |
| 7 | Complete the information. | Earlier - a. Half past 6, b. 5 o'clock, c. Quarter to 1<br>Later - a. 8 o'clock, b. Half past 6, c. Quarter past 2 |
| 8 | Complete the sentence. | 24 |
| 9 | How would you work out how many half an hours there are in three hours? | Answers will vary. Accept answers that demonstrate the pupil's understanding of there being two half an hours in one hour. There are 6 half hours in three hours. |
| 10 | Judah says there are 200 minutes in two hours. Is Judah right? Explain your answer. | Judah is wrong, he has assumed that there are 100 minutes in one hour. There are 60 minutes in one hour so there are 120 minutes in 2 hours. There are 3 hours and 20 minutes in 200 minutes. |
| 11 | Show roughly what you did yesterday using the day planner below. Think about when you were asleep and when you had your meals. | Answers will vary. Pupils should be able to estimate the amount of time they spend on activities with some accuracy (it would, for example, not be expected to spend 3 hours eating one meal). |

## Arithmetic

| | | | |
|---|---|---|---|
| **1.** 30 less than 81 | **2.** 24 – 8 | **3.** 7 x 3 | **4.** 24 + ? = 46 |

## Practice: Find Durations of Time

**5.** Circle the clocks that show 20 minute durations.

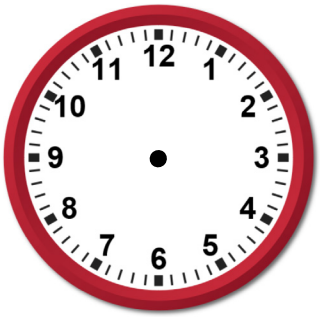


**6.** Match the clocks to the durations they show.

5 minutes | 15 minutes | 20 minutes

**7.** Samir left school at quarter past 3 and got home 30 minutes later.

Draw on the blank clock what time Samir got home.



**You might want to talk to an adult** | **Use resources to help you** | **Spot the mistake**

**8.** A race started at quarter to 6. Here is how long each animal took to finish the race.

Chicken - 15 minutes

Frog - 10 minutes

Snake - 25 minutes

Who finished the race at the time shown on the clock?


**9.** What is a 'duration of time'?

**10.** Aiden says this shows a duration of 6 minutes.


Is Aiden right?

Explain.

Challenge

**11.** Susan is watching a film. It is 2 hours long.

The film finishes at twenty minutes past five.

What time did the film start?

How do you know?

# Answers

| Q no. | Question | Answer |
|---|---|---|
| 1 | 30 less than 81 | 51 |
| 2 | 24 – 8 | 16 |
| 3 | 7 x 3 | 21 |
| 4 | 24 + ? = 46 | 22 |
| 5 | Circle the clocks that show 20 minute durations. | Clocks with 20 minute durations circled. |
| 6 | Match the clocks to the durations they show. | Clocks matched to correct labels. |
| 7 | Samir left school at quarter past 3 and got home 30 minutes later. | Clock showing quarter to 4 (longer minute hand pointing to 9, shorter hour hand just before 4) |
| 8 | A race started at quarter to 6. Here is how long each animal took to finish the race. | snake |
| 9 | What is a 'duration of time'? | A duration of time is how long there is during an event (from start to finish). |
| 10 | Aiden says this shows a duration of 6 minutes. Is Aiden right? Explain. | Aiden has not counted in fives to calculate the duration. This actually shows a duration of 30 minutes. |
| 11 | Susan is watching a film. It is 2 hours long. The film finishes at twenty minutes past five. What time did the film start?<br>How do you know? | Pupils should know that the minutes do not change as the film is 2 hours and 0 minutes long. They should then identify that they need to subtract 2 hours from 5pm. The film started at twenty minutes past three. |

## Arithmetic

| | | | |
|---|---|---|---|
| **1.** 45 + 28 | **2.** 24 – 8 | **3.** ? x 2 = 8 | **4.** $\frac{1}{2}$ of ? = 15 |

## Practice: Compare Durations of Time

**5.** Circle the shortest time.

half an hour  2 hours  10 minutes

3 quarters of an hour  610 seconds

**6.** Look at the school timetable.

The shortest lesson is _____

| lesson | Start time | End time |
|---|---|---|
| maths | 9 o'clock | 10 o'clock |
| art | 5 minutes past 10 | Quarter to 12 |
| science | 12 o'clock | 20 minutes past 12 |

**7.** Use < > or = to compare the durations of times.

60 minutes _____ one hour

70 seconds _____ one minute

Quarter of an hour _____ 20 minutes

**You might want to talk to an adult**  **Use resources to help you**  **Spot the mistake**

**8.** Write the times from longest duration to shortest duration.

20 seconds  1 minute  one day  20 hours

longest  shortest

| | | | |
|---|---|---|---|
| | | | |

**9.** Which is longer, 1 hour or 60 minutes? ____

How do you know?

**10.** Pixie says she has ordered these times from the longest duration to the shortest duration.

1 hour, 5 days, 10 seconds, 30 minutes

Is she right? Explain.

Challenge

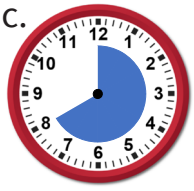
**11.** Calculate and order the durations of time from the longest duration to the shortest duration. Show your workings.

a. start - quarter to 1
end - 1 o'clock

b. start

end

c.



# Answers

| Q no. | Question | Answer |
|---|---|---|
| 1 | 45 + 28 | 73 |
| 2 | 24 – 8 | 16 |
| 3 | ? x 2 = 8 | 4 |
| 4 | $\frac{1}{2}$ of ? = 15 | 30 |
| 5 | Circle the shortest time. | 10 minutes |
| 6 | The shortest lesson is ? | science |
| 7 | Use < > or = to compare the durations of times. | =, >, < |
| 8 | Write the times from longest duration to shortest duration. | One day, 20 hours, 1 minute, 20 seconds. |
| 9 | Which is longer, 1 hour or 60 minutes? How do you know? | Neither 1 hour or 60 minutes is longer, both times are equal. |
| 10 | Pixie says she has ordered these times from the longest duration to the shortest duration.<br>1 hour, 5 days, 10 seconds, 30 minutes. Is she right? Explain. | Pixie has ordered the times according to the numbers and has not considered the unit of measure.<br>The correct order is 5 days, 1 hour, 30 minutes, 10 seconds. |
| 11 | Calculate and order the durations of time from the longest duration to the shortest duration.<br>Show your workings. | c. 40 minutes<br>b. 20 minutes<br>a. 15 minutes |