

# Mathematics Year 5 Quiz

## Time

1.

Read the time on these analogue clocks. Write each time in 12-hour and 24-hour formats.



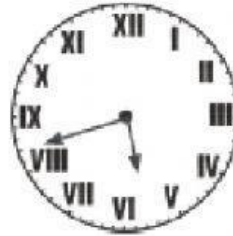
In the morning

\_\_\_\_\_  
\_\_\_\_\_



In the evening

\_\_\_\_\_  
\_\_\_\_\_



In the afternoon

\_\_\_\_\_  
\_\_\_\_\_



In the early morning

\_\_\_\_\_  
\_\_\_\_\_

2.

### Useful Time Facts

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| 1 minute = 60 seconds | 1 week = 7 days                                              |
| 1 hour = 60 minutes   | 1 fortnight = 14 days                                        |
| 1 day = 24 hours      | 1 year = 12 months<br>1 year = 52 weeks<br>1 year = 365 days |

Convert the time amounts and write the number sentence you used to solve them. The first one is done for you.

a. Minutes

|                              |                                        |                                         |
|------------------------------|----------------------------------------|-----------------------------------------|
| 3 hours = <b>180</b> minutes | 2 hours = <input type="text"/> minutes | 10 hours = <input type="text"/> minutes |
|------------------------------|----------------------------------------|-----------------------------------------|

b. Hours

|                                      |                                          |                                     |
|--------------------------------------|------------------------------------------|-------------------------------------|
| 10 days = <input type="text"/> hours | 120 minutes = <input type="text"/> hours | 3 days = <input type="text"/> hours |
|--------------------------------------|------------------------------------------|-------------------------------------|

c. Months

|                                       |                                        |                                       |
|---------------------------------------|----------------------------------------|---------------------------------------|
| 3 years = <input type="text"/> months | 10 years = <input type="text"/> months | 5 years = <input type="text"/> months |
|---------------------------------------|----------------------------------------|---------------------------------------|

3. Darrell needs to catch a train at 19:06. He looks at his watch.



How long has he got before the train is due to depart?

minutes

4. School begins at 8.45 am and ends at 3.20 pm each day.  
Calculate how long is the school day in hours and minutes.

hours

minutes

5. Complete the 12- and 24-hour time problems.



- a. If dinner went for 2 and a half hours and started at 19:00. What time did it finish? Write your answer in 24-hour time.

- b. Sonny went to visit his grandparents at 11am. He was there for 3 hours. What time did he leave? Write your answer in 24-hour time.

6. The date is October 23rd. Keeva's birthday is shown on the calendar. How many days until her birthday?

| October |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|
| Mo      | Tu | We | Th | Fr | Sa | Su |
| 1       | 2  | 3  | 4  | 5  | 6  | 7  |
| 8       | 9  | 10 | 11 | 12 | 13 | 14 |
| 15      | 16 | 17 | 18 | 19 | 20 | 21 |
| 22      | 23 | 24 | 25 | 26 | 27 | 28 |
| 29      | 30 | 31 | 1  | 2  | 3  | 4  |

| November |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|
| Mo       | Tu | We | Th | Fr | Sa | Su |
| 29       | 30 | 31 | 1  | 2  | 3  | 4  |
| 5        | 6  | 7  | 8  | 9  | 10 | 11 |
| 12       | 13 | 14 | 15 | 16 | 17 | 18 |
| 19       | 20 | 21 | 22 | 23 | 24 | 25 |
| 26       | 27 | 28 | 29 | 30 | 1  | 2  |
| 3        | 4  | 5  | 6  | 7  | 8  | 9  |

days

7.

### Trains to Twinkle Town

| Monday to Saturday |            | Sunday     |            |
|--------------------|------------|------------|------------|
| Depart             | Arrive     | Depart     | Arrive     |
| 9:00 a.m.          | 10:00 a.m. | 11:00 a.m. | 12:00 p.m. |
| 11:00 a.m.         | 12:00 p.m. | 2:00 p.m.  | 3:00 p.m.  |
| 1:00 p.m.          | 2:00 p.m.  | 5:00 p.m.  | 6:00 p.m.  |
| 3:00 p.m.          | 4:00 p.m.  | 8:00 p.m.  | 9:00 p.m.  |
| 5:00 p.m.          | 6:00 p.m.  | 9:00 p.m.  | 10:00 p.m. |
| 9:00 p.m.          | 10:00 p.m. |            |            |

Use the train timetable to answer these word problems.

- If Jamie catches the 11:00 a.m. train to Twinkle Town, what time will his train arrive? \_\_\_\_\_
- Imrik needs to get to Twinkle Town for 6:00 p.m. What time train does he need to get? \_\_\_\_\_
- Poppy arrives in Twinkle Town at 4:00 p.m.  
Which train did she catch? \_\_\_\_\_
- If Alice wants to get to Twinkle Town for 10:00 p.m., which train should she get? \_\_\_\_\_