|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time!  | Set A 01 |
|  | Our school day starts at 8:45, when the minute hand is on the …? |  |
|  | First lesson starts at 9 o’clock when the minute hand is on the …? |  |
|  | Art starts at 9:50 when the minute hand is on the …? |  |
|  | Art starts when the hour hand is closest to the …? |  |
|  | Recess starts at 10:30 and goes for 25 minutes. At the end of recess the minute hand is on the …? |  |
|  | Music starts at 12:00. At 12:00 the 2 hands are on the …? |  |
|  | Lunch finishes when the hour hand is near the 2 and the minute hand is on the 9. How far away from 2 o’clock is this? |  |
|  | Sport lasts for 30 minutes and starts at 2:30. At the end of sport the minute hand is on the …? |  |
|  | The last bell for the school day rings at 3:20. At this time, the minute hand is on the …? |  |
|  | I get home at 4:15. At this time the minute hand is on the …? |  |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time!  | Set A 02 |
|  | My footy match started at 2:40. How far away from 3 o’clock is this? |  |
|  | The footy match ended at 4:10. How long after 4 o’clock is this? |  |
|  | I left the ground a quarter of an hour after the match. I left at…? |  |
|  | How far away from 4.30 did I leave the ground? |  |
|  | I get home from the game at a quarter to 5. What did my digital clock look like at this time? |  |
|  | My favourite TV show starts at 5:15 and runs for 30 minutes. It ends at…? |  |
|  | Dinner usually starts at 5.55 and finishes at 6:10. Dinner takes …? minutes to eat. |  |
|  | At 7 o’clock I like to read for about 40 minutes. How far from 8 o’clock to I stop reading? |  |
|  | At 8 o’clock I get ready for bed and I am usually asleep by 8:35. This is …? minutes from 9 o’clock. |  |
|  | I normally wake up at about 7:40. This can be said to be …? minutes to 8 o’clock |  |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time!  | Set A 03 |
|  | How many months in a year? |  |
|  | How many days in a leap year? |  |
|  | The year is split up into 4 …? each lasting 3 months. |  |
|  | Half a minute lasts for how many seconds? |  |
|  | A fortnight equals …? weeks. |  |
|  | Spring starts with the month of …? |  |
|  | Summer ends in the month of …? |  |
|  | Winter begins in …? |  |
|  | Autumn lasts for ...? months. |  |
|  | 2 fortnights equals …? days. |  |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time!  | Set A 04 |
|  | On my 10th birthday I will have lived for …? months. |  |
|  | The footy finals are in September. This is in the season of …? |  |
|  | ANZAC Day is in April in the season of…?  |  |
|  | The Olympics started on August 14th and ended on August 28th. That’s …? days. |  |
|  | The Olympics lasted for …? weeks. |  |
|  | My birthday is in February. This is in the season of …? |  |
|  | December 25th is Christmas Day. This is …? days before the end of the month. |  |
|  | Year 3 lasts for …? terms. |  |
|  | I am 9. My sister is 7 and we were born on the same day of the year. I am …? months older than her. |  |
|  | When I am 10, I will have lived for …? weeks.  |  |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time!  | Set B 01 |
|  | The marathon lasted for 2 hours and 10 minutes, or …? minutes. |  |
|  | Which is the only month that can last for exactly 2 fortnights? |  |
|  | I am 10 and so I must have lived for …? months. |  |
|  | A 1½ hour movie lasts for …? minutes. |  |
|  | Spring contains the months of …? …? and …?  |  |
|  | The last month of autumn is …? |  |
|  | I earn $10 a week in pocket money. In a year I earn …? |  |
|  | Year 1 to Year 4 has …? terms. |  |
|  | The 40 hours lasts for 1 day and …? hours. |  |
|  | I sleep for 8 hours a night in …? days this will equal a whole day of sleep. |  |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time!  | Set B 02 |
|  | I started running at 11:05 and finished at half past 11. I ran for …? minutes. |  |
|  | My favourite half-hour TV show started at 4:35. It finished at …? |  |
|  | The first quarter started at 2:10 and lasted for 30 minutes. It ended at …? |  |
|  | I read for a quarter of an hour, starting at 7.50. I finished at …? |  |
|  | Adelaide is ½ an hour behind Sydney. In Sydney it’s 12:15. In Adelaide it is …? |  |
|  | 20 minutes ago it was 10 to 3. It’s now …? |  |
|  | The marathon lasted for 2 hours and 10 minutes, starting at 10:00 and finishing at …? |  |
|  | My 5-minute shower ended at 8:22. It started at …? |  |
|  | Lunch starts at 12:05 and lasts for 35 minutes. Lunch ends at …? |  |
|  | Our clock shows 6:11, but is 7 minutes fast. The actual time is …? |  |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time!  | Set C 01 |
|  | The CD I played started at 10:20 and lasted for 70 minutes. It finished at …? |  |
|  | School lasts for 7 hours, starting at 8:40am and ending at…? |  |
|  | Is 12:00am noon or midnight? |  |
|  | I flew north for 3 hours, staring at 11:30pm and landing at …? |  |
|  | The game started at 12 minutes to 5 or, digitally, at …? |  |
|  | The 90-minute movie began at 9:34 and finished at …? |  |
|  | Suva is 2 hours ahead of Sydney, where it is currently 11:55am. In Suva is currently …? |  |
|  | New York is 12 hours behind Sydney. In New York it is 9pm and in Sydney it is …? |  |
|  | I must record a TV show at 1:35pm which is 25 to 2 in the …? |  |
|  | Breakfast lasted from 8:55 until 12 past 9 which was …? minutes. |  |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time!  | Set C 02 |
|  | How many minutes from 7:55 to 8:05? |  |
|  | How many minutes from 12:20 to 1:00? |  |
|  | How many minutes from 3:55 to 5:05? |  |
|  | How many minutes from 8:12 to 10:12? |  |
|  | How many minutes from 6:14 to 7:13? |  |
|  | How many minutes from 2:24 to 3:25? |  |
|  | How many minutes from 9:40 to 11:00? |  |
|  | How many minutes from 8:20 to 10:05? |  |
|  | How many minutes from 5:55 to 7:05? |  |
|  | How many minutes from 4:46 to 5:06? |  |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time! Answers | Set A 01 |
| 1. | Our school day starts at 8:45, when the minute hand is on the …? | 9 |
| 2. | First lesson starts at 9 o’clock when the minute hand is on the …? | 12 |
| 3. | Art starts at 9:50 when the minute hand is on the …? | 10 |
| 4. | Art starts when the hour hand is closest to the …? | 10 |
| 5. | Recess starts at 10:30 and goes for 25 minutes. At the end of recess the minute hand is on the …? | 11 |
| 6. | Music starts at 12:00. At 12:00 the 2 hands are on the …? | 12 |
| 7. | Lunch finishes when the hour hand is near the 2 and the minute hand is on the 9. How far away from 2 o’clock is this? | 15 mins |
| 8. | Sport lasts for 30 minutes and starts at 2:30. At the end of sport the minute hand is on the …? | 12 |
| 9. | The last bell for the school day rings at 3:20. At this time, the minute hand is on the …? | 4 |
| 10. | I get home at 4:15. At this time the minute hand is on the …? | 3 |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time! Answers | Set A 02 |
| 1. | My footy match started at 2:40. How far away from 3 o’clock is this? | 20 mins |
| 2. | The footy match ended at 4:10. How long after 4 o’clock is this? | 10 mins |
| 3. | I left the ground a quarter of an hour after the match. I left at…? | 4:25 |
| 4. | How far away from 4.30 did I leave the ground? | 5 mins |
| 5. | I get home from the game at a quarter to 5. What did my digital clock look like at this time? | 4:45 |
| 6. | My favourite TV show starts at 5:15 and runs for 30 minutes. It ends at…? | 5:45 |
| 7. | Dinner usually starts at 5.55 and finishes at 6:10. Dinner takes …? minutes to eat. | 15  |
| 8. | At 7 o’clock I like to read for about 40 minutes. How far from 8 o’clock do I stop reading? | 20 mins |
| 9. | At 8 o’clock I get ready for bed and I am usually asleep by 8:35. This is …? minutes from 9 o’clock. | 25  |
| 10. | I normally wake up at about 7:40. This can be said to be …? minutes to 8 o’clock | 20 |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time! Answers | Set A 03 |
| 1. | How many months in a year? | 12 |
| 2. | How many days in a leap year? | 366 |
| 3. | The year is split up into 4 …? each lasting 3 months. | seasons |
| 4. | Half a minute lasts for how many seconds? | 30 |
| 5. | A fortnight equals …? weeks. | 2 |
| 6. | Spring starts with the month of …? | September |
| 7. | Summer ends in the month of …? | February |
| 8. | Winter begins in …? | June |
| 9. | Autumn lasts for ...? months. | 3 |
| 10. | 2 fortnights equals …? days. | 28 |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time! Answers | Set A 04 |
| 1. | On my 10th birthday I will have lived for …? months. | 120 |
| 2. | The footy finals are in September. This is in the season of …? | Spring |
| 3. | ANZAC Day is in April in the season of…?  | Autumn |
| 4. | The Olympics started on August 14th and ended on August 28th. That’s …? days. | 14 |
| 5. | The Olympics lasted for …? weeks. | 2 |
| 6. | My birthday is in February. This is in the season of …? | Summer |
| 7. | December 25th is Christmas Day. This is …? days before the end of the month. | 6 |
| 8. | Year 3 lasts for …? terms. | 4 |
| 9. | I am 9. My sister is 7 and we were born on the same day of the year. I am …? months older than her. | 24 |
| 10. | When I am 10, I will have lived for …? weeks.  | 520 |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time! Answers | Set B 01 |
| 1. | The marathon lasted for 2 hours and 10 minutes, or …? minutes. | 130 |
| 2. | Which is the only month that can last for exactly 2 fortnights? | February |
| 3. | I am 10 and so I must have lived for …? months. | 120 |
| 4. | A 1½ hour movie lasts for …? minutes. | 90 |
| 5. | Spring contains the months of …? …? and …?  | September, October, November |
| 6. | The last month of autumn is …? | May |
| 7. | I earn $10 a week in pocket money. In a year I earn …? | $520 |
| 8. | Year 1 to Year 4 has …? terms. | 16 |
| 9. | The 40 hours lasts for 1 day and …? hours. | 16 |
| 10. | I sleep for 8 hours a night in …? days this will equal a whole day of sleep. | 3 |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time! Answers | Set B 02 |
| 1. | I started running at 11:05 and finished at half past 11. I ran for …? minutes. | 25 |
| 2. | My favourite half-hour TV show started at 4:35. It finished at …? | 5:05 |
| 3. | The first quarter started at 2:10 and lasted for 30 minutes. It ended at …? | 2:40 |
| 4. | I read for a quarter of an hour, starting at 7.50. I finished at …? | 8:05 |
| 5. | Adelaide is ½ an hour behind Sydney. In Sydney it’s 12:15. In Adelaide it is …? | 11.45 |
| 6. | 20 minutes ago it was 10 to 3. It’s now …? | 3.10 |
| 7. | The marathon lasted for 2 hours and 10 minutes, starting at 10:00 and finishing at …? | 12:10 |
| 8. | My 5-minute shower ended at 8:22. It started at …? | 8:27 |
| 9. | Lunch starts at 12:05 and lasts for 35 minutes. Lunch ends at …? | 12:40 |
| 10. | Our clock shows 6:11, but is 7 minutes fast. The actual time is …? | 6:04 |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time! Answers | Set C 01 |
| 1. | The CD I played started at 10:20 and lasted for 70 minutes. It finished at …? | 11:30 |
| 2. | School lasts for 7 hours, starting at 8:40am and ending at…? | 3:40 |
| 3. | Is 12:00am noon or midnight? | midnight |
| 4. | I flew north for 3 hours, staring at 11:30pm and landing at …? | 2:30am |
| 5. | The game started at 12 minutes to 5 or, digitally, at …? | 4:48 |
| 6. | The 90-minute movie began at 9:34 and finished at …? | 11:04 |
| 7. | Suva is 2 hours ahead of Sydney, where it is currently 11:55am. In Suva is currently …? | 1:55pm |
| 8. | New York is 12 hours behind Sydney. In New York it is 9pm and in Sydney it is …? | 9am |
| 9. | I must record a TV show at 1:35pm which is 25 to 2 in the …? | afternoon |
| 10. | Breakfast lasted from 8:55 until 12 past 9 which was …? minutes. | 17 |

|  |  |  |
| --- | --- | --- |
|  | Problem Solving Time! Answers | Set C 02 |
| 1. | How many minutes from 7:55 to 8:05? | 10 |
| 2. | How many minutes from 12:20 to 1:00? | 40 |
| 3. | How many minutes from 3:55 to 5:05? | 70 |
| 4. | How many minutes from 8:12 to 10:12? | 120 |
| 5. | How many minutes from 6:14 to 7:13? | 59 |
| 6. | How many minutes from 2:24 to 3:25? | 61 |
| 7. | How many minutes from 9:40 to 11:00? | 80 |
| 8. | How many minutes from 8:20 to 10:05? | 45 |
| 9. | How many minutes from 5:55 to 7:05? | 70 |
| 10. | How many minutes from 4:46 to 5:06? | 20 |