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Page 1

- **1a** 120
- **b** 15
- c 30d 45
- **e** 240
- **f** 360
- **2a** 120
- **b** 300
- **c** 3,600
- **d** 1,800
- **e** 30
- **f** 900
- **3a** 120
- **b** 100
- **c** 28
- **d** 50
- **e** 168
- **f** 730
- 4 minutes; years; days; minutes

Page 2



- 3a 5 minutes to 7
- **b** 23 minutes past 3
- c 12 minutes to 11
- d 12 minutes past 5

Page 3

- 1a 8:00 am
- **b** 4:30 pm
- **c** 11:25 pm
- **d** 7:13 am
- e 7:01 am
- f 10:20 pm
- g 5:32 pm
- **h** 9:10 am



- **3a** 1 11:10 am
 - 2 11:38 am
 - 3 3:35 pm
 - 4 5:15 pm

Page 4

- **1a** 5:00
- **b** 8:35
- **c** 2:22
- **d** 9:04
- 2a 8:00 or 20:00
- **b** 6:15 or 18:15
- **c** 9:30 or 21:30
- **d** 1:18 or 13:18
- **3a** 17:15
- **b** 8:39
- **c** 16:07
- **4a** 4:15 pm
- **b** 10:43 am
- **c** 1:34 am

Page 5

1 3 hours 26 minutes



Page 6

| Name | Nickname | Time | Snack |
|--------|----------|------------|------------|
| Akhil | Вид | 15 mínutes | Chíps |
| Houman | Haz | 20 mínutes | Candíes |
| Sean | Торя | 10 mínutes | Soft drink |
| Dan | Hank | 5 minutes | Chocolate |

Page 7

Observe students.

Pages 8–10

- 1a 8 hours
- b 7 hours
- c 9 hours
- d 5 hours 30 minutes
- **2a** 70
- **b** 13; 15
- **c** 2; 25
- 3a 45 minutes
- **b** 3 hours 30 minutes
- c 17 hours
- **d** 12 hours
- **4a** 6:10 am
- **b** 8:30 am
- **c** 2:45 pm
- **d** 1:45 am
- **5a** 9:45; 10:30; 10:45; 11:00
- **b** 8:02; 8:12; 8:32; 8:42
- **c** 7:02; 7:17; 7:47; 8:17
- **d** 3:03; 3:13; 3:23; 3:33; 3:43; 3:53





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1 Answers will vary.

| 2 | Stopwatch display | Minutes | Seconds | Hundredths of a second |
|---|-------------------|---------|---------|------------------------|
| | 3:51:22 | 3 | 51 | 22 |
| | 2:45:79 | 2 | 45 | 79 |
| | 1:58:87 | 1 | 58 | 87 |
| | 5:45:78 | 5 | 45 | 78 |

3 1:36:65; 1:38:42; 1:56:89; 1:56:99

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What to do

Observe students.

Page 13

What to do

Tina Sparkles

- Tina Sparkles could catch the 5:10 pm train and arrive at 5:40 pm.
- Rod Raver was rehearsing from 3:55 pm to 6:25 pm.
- Paparazzi Pete was busy from 4.15 pm to 5.15 pm.

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- **1a** 6:05
- **b** 7 mins
- **c** 6:00
- 2a 8:00 pm
- **b** 1 hour
- c 1 hour
- **d** 8:30 pm
- e 2 hours

Pages 15–16

- **1a** 19:48
- **b** 20:12
- c No

- 1d Croydon, Summer Hill, Stanmore and Newtown
- **e** 21:10
- **f** 21
- 2a 8:35 am
- **b** 4:39 pm
- **3a** 4 pm
- **b** 11:25 am
- **c** 7:30 pm

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- 1a Train: Catch the 2:05 pm from Trinian Street. Change at Carlsford and wait 3 minutes.; Bus: Catch the 2:20 pm from Carlsford.Arrive at Nottsville 2:50 pm.
- b Train: Catch the 10:16 am from Knightscove. Change at Carlsford and wait 5 minutes.; Bus: Catch the 11:20 am from Carlsford.Arrive at Fisherman's Wharf 12:12 pm.
- c Train: Catch the 12:21 pm from Fig Tree Park. Change at Carlsford and wait 4 minutes.; Bus: Catch the 1:20 pm from Carlsford.Arrive at Slamton 3:32 pm.

Pages 18–19

| Name | Show | Night | Channel |
|-------|----------|-----------|---------|
| Luke | Football | Saturday | 5 |
| Macey | Realíty | Thursday | Sky 1 |
| Jamie | Sítcom | Tuesday | 4 |
| Hung | Críme | Monday | BBC 2 |
| Britt | Cartoon | Wednesday | BBC 1 |

| | Luke | Macey | Jamie | Hung | Britt |
|-----------|------|-------|-------|------|-------|
| Monday | X | X | X | 1 | X |
| Tuesday | X | X | 1 | X | X |
| Wednesday | X | X | X | X | 1 |
| Thursday | X | 1 | × | × | X |
| Friday | X | X | X | X | X |
| Saturday | 1 | X | X | X | X |
| Sunday | X | X | X | X | X |
| Sport | 1 | × | × | × | X |
| Reality | X | 1 | X | X | X |
| Crime | X | × | × | 1 | × |
| Cartoon | X | × | × | × | 1 |
| Sitcom | X | X | 1 | X | X |
| BBC 2 | X | X | X | 1 | X |
| Channel 5 | 1 | X | X | X | X |
| Sky 1 | X | 1 | X | X | X |
| BBC 1 | X | X | X | X | 1 |
| Channel 4 | X | X | 1 | X | X |



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What to do

Answers will vary.

Sample answers:

| Session | Time | e Activity | |
|---------|-------------------|-----------------|-----------|
| 1 | 9:00 Clown school | | verse |
| 2 | 10:00 | Acrobatics | or re |
| | 11:30 - 12:10 | Recess | |
| 3 | 12:15 | Flying trapeze | verse |
| 4 | 12:55 | Fire juggling | or re |
| | 1:30 - 2:30 | Lunch | 9 |
| 5 | 2:35 | Balloon animals | feabl |
| 6 | 3:20 | Magic tricks | hang |
| 7 | 4:10 | Face painting | nterc |
| | 4:35 – 5:00 | Break | 6 |
| 8 | 5:05 | Unicycling | ▲ Nere |
| | 6:00 | Home | <u> </u> |



Measuring time

Name



Converts between 24-hour time and am or pm notation

Calculating time

Name





Use the time line for each elapsed time problem. Each large interval is 10 minutes, each small one is 2 minutes. Show all your working. Remember to work the hours out first and use the time line for the minutes.

a Melanie left home for netball training at 5:46 pm. She got home again 2 hours and 24 minutes later. What time did she arrive home?



b Zac's mum got stuck in a traffic jam on her way home from work. It took her 1 hour and 48 minutes to get home. What time did she get home if she left work at 5:45 pm?





:

:

c Will's football training went for 3 hours and 26 minutes. It began at 8:45 am. What time did he finish?



| Skills | | Kind of | Got it |
|---|--|---------|--------|
| Calculates the passing of time in hours and minutes | | | |
| Uses a time line to calculate elapsed and finish times | | | |



2

Timetables

1

Answer the questions about this timetable:

| Station | Time | | | | |
|----------------|----------|----------|----------|---------|--|
| Knightscove | 10:16 am | 11:16 am | 12:16 pm | 1:16 pm | |
| Fig Tree Park | 10:21 am | 11:21 am | 12:21 pm | 1:21 pm | |
| Trinian Street | 11:05 am | 12:05 pm | 1:05 pm | 2:05 pm | |
| Carlsford | 11:15 am | 12:18 pm | 1:16 pm | 2:17 pm | |

- **a** What time does the earliest train leave Knightscove?
- **b** At what time will I get to Carlsford if I get on the train at Fig Tree Park at 12:21 pm?
- c How long does it take to get from Knightscove to Carlsford if I get the 1:16 pm train from Knightscove?
- **d** If I want to get to Trinian Street by 1:15 pm and I live at Fig Tree Park, which train should I get?

Create a timeline based on your ideal day. Include 4 things you would do. Label the times and connect each activity with a line to the time that you would do them:



.....

| Skills | Not yet | Kind of | Got it |
|--|---------|---------|--------|
| Reads and interprets simple timetables | | | |
| Creates simple time line | | | |



Timetables

Name

3

Use the train timetable to answer the questions below. Answer in digital form:

| | Chesterfield to Bakersville | | | | | |
|----------------|-----------------------------|---------|---------|---------|----------|----------|
| Chesterfield | 6:20 pm | 6:50 pm | 8:17 pm | 9:25 pm | 10:32 pm | 11:39 pm |
| Harrison Place | | 7:00 pm | 8:27 pm | 9:35 pm | | 11:49 pm |
| Summer Hill | 6:34 pm | 7:05 pm | 8:32 pm | 9:40 pm | 9:46 pm | 11:54 pm |
| Sandwick | | 7:12 pm | 8:39 pm | 9:47 pm | 9:53 pm | 12:01 pm |
| Bakersville | 5:44 pm | 7:18 pm | 8:45 pm | 9:53 pm | 9:58 pm | 12:06 pm |

- a What time does the 8:17 pm train from Chesterfield arrive at Summer Hill?
- **b** What time does the 7:00 pm train from Harrison Place arrive at Bakersville?
- **c** Dan arrives at Sandwick station at 6:56 pm. How long does he have to wait for the next train?

Use the gym timetable to answer the questions below:

| Time | Monday | Tuesday | Wednesday | Thursday | Friday |
|----------|---------|---------|-----------|----------|---------|
| 12:30 pm | Pilates | Squash | Yoga | Weights | Cardio |
| 2:30 pm | Cardio | Pilates | Pilates | Squash | Pilates |
| 4:30 pm | Yoga | Boxing | Squash | Pilates | Boxing |
| 6:30 pm | Squash | Weights | Boxing | Boxing | Weights |

- **a** Leo stretches for 10 minutes after his cardio session on Monday. What time does he finish his stretches if his cardio session goes for one hour?
- **b** Tanya wants to go to yoga on Wednesday and it takes 20 minutes to drive there. To make sure that she is there 5 minutes before the class starts, at what time should she leave?
- **c** Sam has just finished her gym session on Thursday night. She did a boxing class for one hour and then ran on the treadmill for 20 minutes. What time is it now?

| Skills | Not yet | Kind of | Got it |
|---|---------|---------|--------|
| Reads, interprets and uses timetables from real-life situations, including those involving 24-hour time | | | |



Series F – Time – Student Progress Record

| F | | | | | |
|---------------------------------|-------------|------------|---|-----|--|
| | | | _ | | |
| Name | | Class | D | ate | |
| | | | | | |
| hat went well: | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| hat I need to improve: | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| eries F – Time – Stud | ent Progre | | | | |
| eries F – Time – Stud | lent Progre | ess Record | D | ate | |
| eries F – Time – Stud | lent Progre | ess Record | D | ate | |
| eries F – Time – Stud | lent Progre | ess Record | D | ate | |
| eries F – Time – Stud | lent Progre | ess Record | D | ate | |
| eries F – Time – Stud | lent Progre | ess Record | D | ate | |
| eries F – Time – Stud | lent Progre | ess Record | D | ate | |
| eries F – Time – Stud | lent Progre | ess Record | D | ate | |
| beries F – Time – Stud | lent Progre | ess Record | D | ate | |
| beries F – Time – Stud | lent Progre | ess Record | D | ate | |
| Peries F – Time – Stud | lent Progre | ess Record | D | ate | |
| eries F – Time – Stud | lent Progre | ess Record | D | ate | |
| Series F – Time – Stud Name | lent Progre | ess Record | D | ate | |

ASSESSMENT ANSWERS



- **1a** 10
- **b** 14
- **c** 240
- **d** 45
- 2a 8:00 am
- **b** 8:30 pm
- **c** 11:25 pm
- **d** 7:10 am



- **b** 7:00 am
- c 2:25 pm
- **d** 19:26
- **e** 10:00
- **f** 21:35

Page 5

- **1a** $2\frac{1}{2}$ hours
- **b** 6 hours 5 minutes
- **c** 14 hours
- d 2 hours 55 minutes





| Торіс | Reference | Strand | Objective |
|---------------------|-----------|-------------|---|
| Measuring time | 5M4 | Measurement | Solve problems involving converting between units of time. |
| Calculating time | 5M4 | Measurement | Solve problems involving converting between units of time. |
| Timetables | 551 | Statistics | Complete, read and interpret information in tables, including timetables. |

