Timed Events Problems

I can solve problems about the duration of events.

1) How many hours pass between the following times?

a) 2:00 p.m. to 4:00 p.m.

_____

b) 3:00 p.m. to 6:00 p.m.

_____

c) 10:30 a.m. to 1:30 p.m.

_____

d) 3:30 p.m. to 10:30 p.m.

_____

e) 2:30 p.m. to 11:30 p.m.
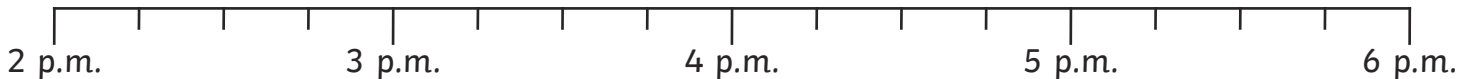
_____

f) 9:30 p.m. to 1:30 a.m. (the next day)

_____

2) Answer these questions. Use the timelines to help you.

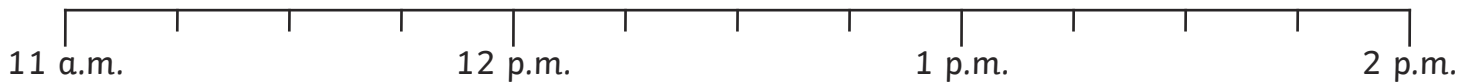a) I leave school at 3:15 p.m. It takes me 30 minutes to walk home.
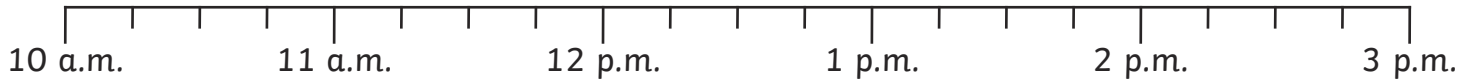   What time do I arrive home?

| 2 p.m. | | 3 p.m. | | 4 p.m. | | 5 p.m. | | 6 p.m. |

_____

★ b) Maths finishes at 12:30 p.m. We then have lunch for 45 minutes.
What time does lunch end?
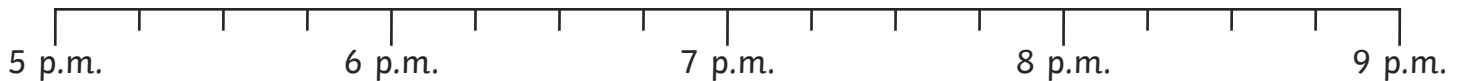
| | | | | | | | | | | | |
|11 a.m.| |12 p.m.| |1 p.m.| |2 p.m.|

_____

c) I get off the bus at 2:45 p.m. The journey lasted 30 minutes.
What time did the bus leave?
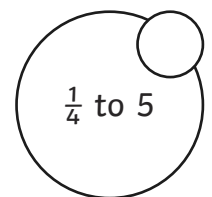
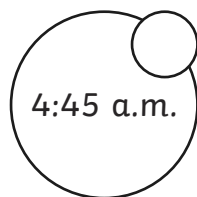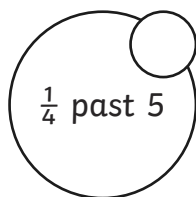|10 a.m.| |11 a.m.| |12 p.m.| |1 p.m.| |2 p.m.| |3 p.m.|

_____

d) My favourite TV show finishes at 8:15 p.m. It lasts 45 minutes.
What time did it start?

|5 p.m.| |6 p.m.| |7 p.m.| |8 p.m.| |9 p.m.|

_____

3) Answer these word problems by ticking all the circles that show the correct answer.

a) Poppy walks to her friend's house. She sets off at 4:15 p.m. It takes her 30 minutes to get there. What time does she arrive?

(4:45 p.m.)　　($\frac{1}{4}$ past 5)　　(4:45 a.m.)　　($\frac{1}{4}$ to 5)
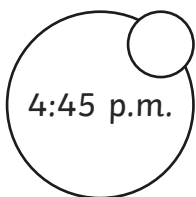
b) Keenan finishes tidying his bedroom at 11:30 a.m. It took him 45 minutes to tidy it. When did he start?

($\frac{1}{4}$ past 12)　　(10:45 a.m.)　　($\frac{1}{4}$ to 11)　　(10:45 p.m.)
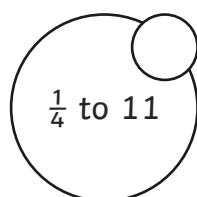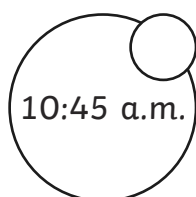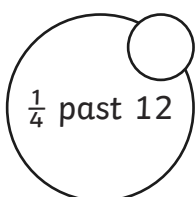
4) Here is a table to show the start and end time of each lesson. Calculate how long each lesson lasts (in minutes) and then order the lessons from shortest to longest.

	Start	End	Length of Lesson
Maths	9:15 a.m.	10:15 a.m.	
English	10:30 a.m.	11:15 a.m.	
PE	1:15 p.m.	1: 45 p.m.	

shortest ⟵——————————————⟶ longest		

Timed Events Problems **Answers**

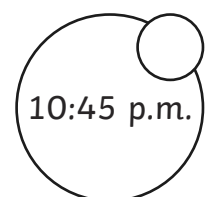| Question	Answer
1. How many hours pass between the following times?	
a.	**2 hours**
b.	**3 hours**
c.	**3 hours**
d.	**7 hours**
e.	**9 hours**
f.	**4 hours**
2. Answer these questions. Use the timelines to help.	
a.	**3:45 p.m.**
b.	**1:15 p.m.**
c.	**2:15 p.m.**
d.	**7:30 p.m.**

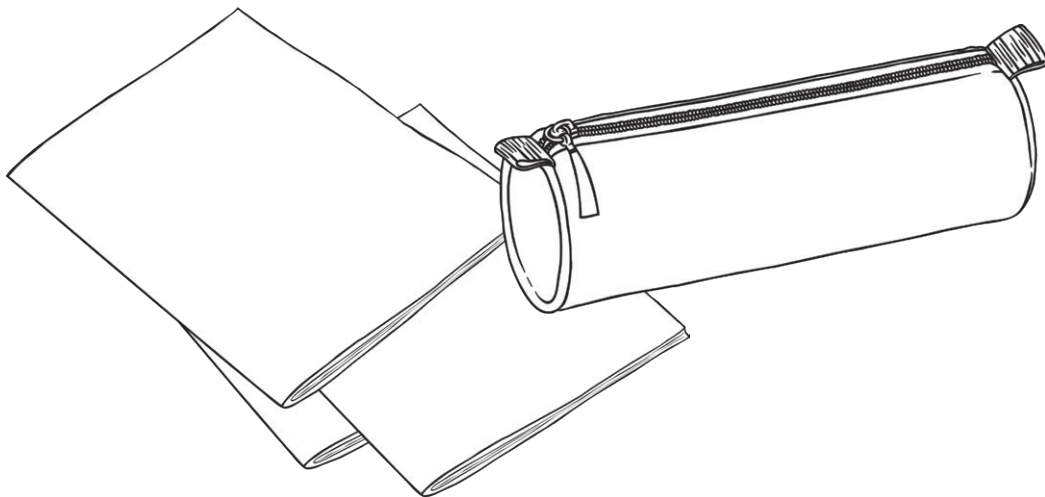**3.** Answer these word problems by ticking all the circles that show the correct answer.

a.

4:45 p.m. ✔ $\frac{1}{4}$ to 5 ✔

b.

10:45 a.m. ✔ $\frac{1}{4}$ to 11 ✔

4. Calculate how long each lesson lasts (in minutes) and then order the lessons from shortest to longest.

Maths	9:15 a.m.	10:15 a.m.	**60 minutes**
Literacy	10:30 a.m.	11:15 a.m.	**45 minutes**
PE	1:15 p.m.	1:45 p.m.	**30 minutes**

shortest ←——————→ longest

PE	*literacy*	*maths*

Timed Events Problems

I can solve problems about the duration of events.

1) How much time passes between the following times?

a) 3:00 p.m. to 4:15 p.m.

_____

b) 3:15 p.m. to 3:30 p.m.

_____

c) 10:30 a.m. to 12:45 p.m.

_____

d) 5:30 p.m. to 8:15 p.m.

_____

e) 2:15 p.m. to 8:30 p.m.

_____

f) 11:30 p.m. to 2:00 a.m. (the next day)

_____

2) Answer these questions. Use the timelines to help you.

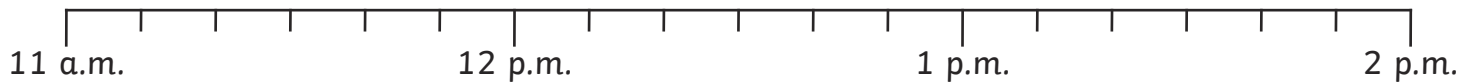a) I set off to walk to my grandma's house at 3:20 p.m. It takes me 40 minutes to walk there. What time do I arrive?
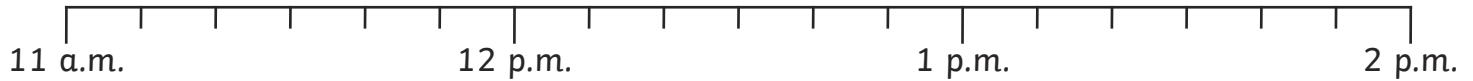
3 p.m.	4 p.m.	5 p.m.	6 p.m.

_____

b) My dance lesson starts at 11:40 a.m. It lasts 1 hour and 10 minutes. What time does it end?

| | | | | | | | | | | | | | | | | | | |
11 a.m.   12 p.m.   1 p.m.   2 p.m.

_____

c) I flew from London to Madrid. The flight lasted 2 hours and 30 minutes and the plane landed at 1:40 p.m. What time did it take off?

| | | | | | | | | | | | | | | | | | | |
11 a.m.   12 p.m.   1 p.m.   2 p.m.

_____

d) My train arrives at the station at 11:10 a.m. The train journey lasted 50 minutes. What time did the train depart?

| | | | | | | | | | | | | | | | | | | |
8 a.m.   9 a.m.   10 a.m.   11 a.m.   12 p.m.

_____
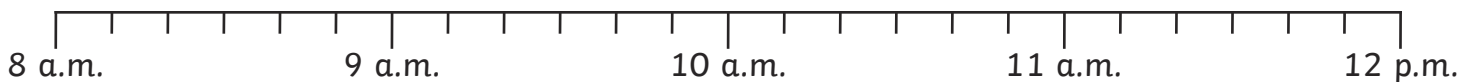
3) Answer these word problems by ticking all the circles that show the correct answer.

a) Tyrol meets his friend at the park at 10:20 a.m. They spend 30 minutes on the playground and play football for 20 minutes. Then, they go home. What time did they leave the park?

(11:10 p.m.)   (ten to eleven)   (11:10 a.m.)   (ten past eleven)   (10 past 11)   (11:20)
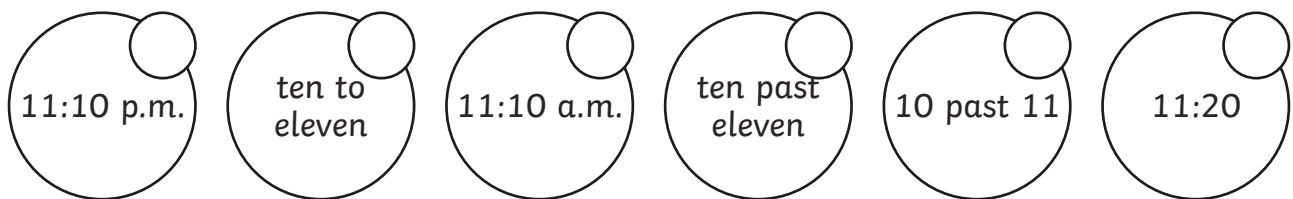
b) Trudi works on her homework project for 1 hour and 10 minutes and stops at 2:40 p.m. What time did she start work?

(1:30 p.m.)   (½ past 2)   (1:30 a.m.)   (half past one)   (30 minutes past 1)   (3:40 p.m.)
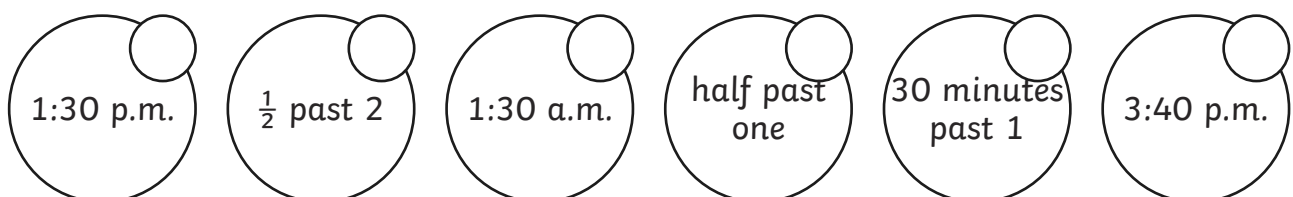
4) Here is a table to show the start and end time of some TV shows. Calculate how long each programme lasts (in minutes) and then order the programmes from shortest to longest.

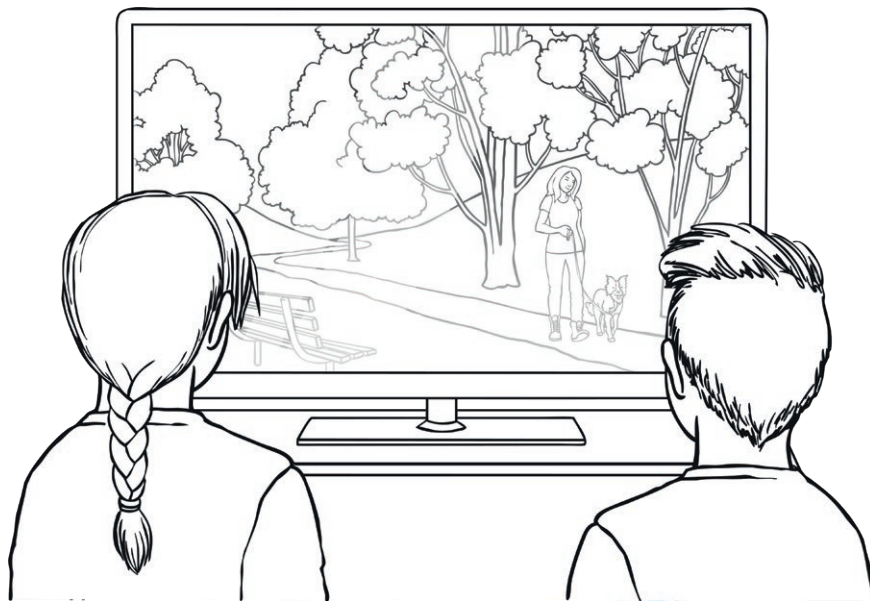|	Start	End	Length of Show
Cartoon Capers	12:10 p.m.	1:00 p.m.	
Get that Dog!	1:00 p.m.	2:10 p.m.	
Funny Film Clips	2:20 p.m.	2:50 p.m.	

shortest ←————————————————→ longest		

Timed Events Problems **Answers**

Question	Answer
1. How much time passes between the following times?	
a.	1 hour 15 minutes (75 minutes)
b.	15 minutes
c.	2 hours 15 minutes (135 minutes)
d.	2 hours 45 minutes (165 minutes)
e.	6 hours 15 minutes (375 minutes)
f.	2 hours 30 minutes (150 minutes)
2. Answer these questions. Use the timelines to help.	
a.	4:00 p.m.
b.	12:50 p.m.
c.	11:10 a.m.
d.	10:20 a.m.

3. Answer these word problems by ticking all the circles that show the correct answer.

a.	✓ 11:10 a.m. ✓ ten past eleven ✓ 10 past 11
b.	✓ 1:30 p.m. ✓ half past one ✓ 30 minutes past 1

4. Calculate how long each programme lasts (in minutes) and then order the programmes from shortest to longest.

Cartoon Capers	12:10 p.m.	1:00 p.m.	**50 minutes**
Get that Dog!	1:00 p.m.	2:10 p.m.	**70 minutes**
Funny Film Clips	2:20 p.m.	2:50 p.m.	**30 minutes**

shortest ⟵⟶ longest

Funny Film Clips	Cartoon Capers	Get that Dog!

Timed Events Problems

I can solve problems about the duration of events.

1) How much time passes between the following times?

   a) 3:10 p.m. to 4:15 p.m.

   _____

   b) 2:15 p.m. to 3:40 p.m.

   _____

   c) 10:40 a.m. to 12:50 p.m.

   _____

   d) 5:10 p.m. to 8:50 p.m.

   _____

   e) 7:20 p.m. to 11:10 p.m.

   _____
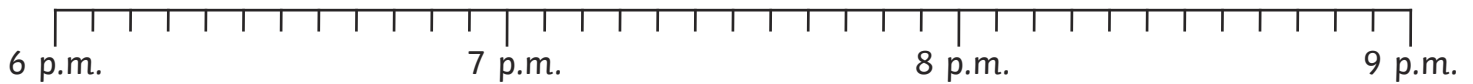
   f) 10:20 p.m. to 2:40 a.m. (the next day)

   _____

2) Answer these questions. Use the timelines to help you.

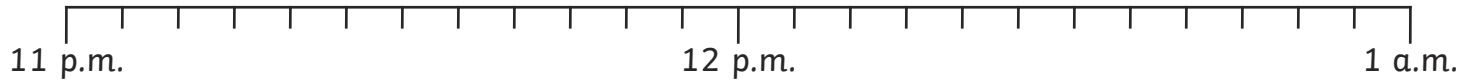   a) French starts at 1:20 p.m. and lasts 55 minutes. What time does it finish?

   | 1 p.m. | 2 p.m. | 3 p.m. | 4 p.m. |

   _____

b) My favourite TV show starts at 6:55 p.m. It lasts 1 hour and 10 minutes.
What time does it finish?

| | | | | | | | | | | | | | | | | | | | | | | | |
6 p.m.   7 p.m.   8 p.m.   9 p.m.

_____

c) I woke up at 12:35 a.m. I had been asleep for 1 hour and 20 minutes.
What time did I go to sleep?

| | | | | | | | | | | | | | | | | | | | | | | | |
11 p.m.   12 p.m.   1 a.m.

_____

d) My dad drove me to my auntie's house. The journey was 1 hour and 15 minutes.
We arrived at 9:20 p.m. What time did we set off?

| | | | | | | | | | | | | | | | | | | | | | | | |
7 p.m.   8 p.m.   9 p.m.   10 p.m.

_____
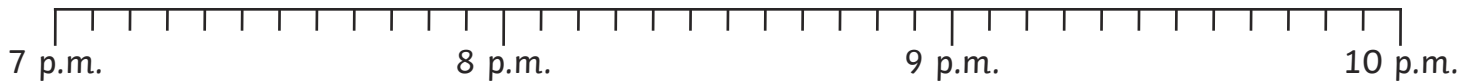
3)   Answer these word problems by ticking all the circles that show the correct answer.

a) I went to town on the bus. The journey took 25 minutes. I went around the shops for 45 minutes and then had a drink. If I got on the bus at 10:30 a.m., what time did I have a drink?

11:40 a.m.   11: 30   11: 30 a.m.   twenty to twelve   20 to 12   twenty past twelve

b) Carla's birthday party finished at 4:25 p.m. The party lasted 1 hour and 40 minutes.
What time did it start?

1:45 p.m. $\frac{1}{4}$ to 2   2:45 p.m.   quarter to 3 $\frac{1}{4}$ to 3   2:40 p.m.

4) Here is a table to show the start and end time of films. Calculate how long each film lasts (in minutes) and then order the films from shortest to longest.

	Start	End	Length of Show
The True Way Home	12:15 p.m.	2:55 p.m.	
Spy Sisters	1:05 p.m.	3:35 p.m.	
Don't Lose the Dog	4:35 p.m.	5:55 p.m.	

shortest ←——————————————————→ longest		

Timed Events Problems **Answers**

Question	Answer
1. How much time passes between the following times?	
a.	*1 hour 5 minutes (65 minutes)*
b.	*1 hour 25 minutes (85 minutes)*
c.	*2 hours 10 minutes (130 minutes)*
d.	*3 hours 40 minutes (220 minutes)*
e.	*3 hours 50 minutes (230 minutes)*
f.	*4 hours 20 minutes (260 minutes)*
2. Answer these questions. Use the timelines to help.	
a.	*2:15 p.m.*
b.	*8:05 p.m.*
c.	*11:15 p.m.*
d.	*8:45 p.m.*

3. Answer these word problems by ticking all the circles that show the correct answer.

a.
- ✔ 11:40 a.m.
- ✔ twenty to twelve
- ✔ 20 to 12

b.
- ✔ 2:45 p.m.
- ✔ quarter to 3
- ✔ $\frac{1}{4}$ to 3

4. Calculate how long each film lasts (in minutes) and then order the films from shortest to longest.

Film	Start	End	Duration
The True Way Home	12:15 p.m.	2:55 p.m.	*160 minutes*
Spy Sisters	1:05 p.m.	3:35 p.m.	*150 minutes*
Don't Lose the Dog	4:35 p.m.	5:55 p.m.	*80 minutes*

shortest ⟷ longest

Don't Lose the Dog	*Spy Sisters*	*The True Way Home*