Practice 3 Addition

First add the hours.
Then add the minutes.

1 Add.

Example

2 h 15 mins + 2 h 20 mins = ?

2 h 15 mins 2 h 20 mins

2 h 15 mins + 2 h 20 mins

= 4 h 35 mins

2 h + 2 h = 4 h

15 mins + 20 mins = 35 mins

4 h + 35 mins = 4 h 35 mins

a 3 h 25 mins + 5 h 30 mins = ?

3 h 25 mins 5 h 30 mins

3 h 25 mins + 5 h 30 mins

= 8 h 55 mins

3 h + 5 h = 8 h

25 mins + 30 mins = 55 mins

8 h + 55 mins = 8 h 55 mins

b 7 h 30 mins + 3 h 14 mins = ?

7 h 30 mins 3 h 14 mins

7 h 30 mins + 3 h 14 mins

= 10 h 44 mins

7 h + 3 h = 10 h

30 mins + 14 mins = 44 mins

10 h + 44 mins = 10 h 44 mins

c 2 h 50 mins + 1 h 9 mins = ?

2 h 50 mins | 1 h 9 mins

2 h 50 mins + 1 h 9 mins

= 3 h 59 mins

2 h + 1 h = 3 h

50 mins + 9 mins = 59 mins

3 h + 59 mins = 3 h 59 mins

2 Add.

a 20 mins + 55 mins = 75 mins

75 mins = 1 h 15 mins

60 mins | 15 mins

Regroup the minutes to hours and minutes!

b 55 mins + 45 mins = 100 mins

100 mins = 1 h 40 mins

60 mins | 40 mins

c 4 h 46 mins + 2 h 14 mins = 6 h 60 mins

= 7 h

d 1 h 48 mins + 3 h 35 mins = 4 h 83 mins

= 5 h 23 mins

3 Farha spends 50 minutes practising the piano.
She then spends 2 h 15 mins doing her homework.
How long does she spend on the two tasks in total?

50 mins + 2 h 15 mins = ?
50 mins + 15 mins = 65 mins
65 mins = 1 h 5 mins

1 h 5 mins + 2 h = 3 h 5 mins
She spends 3 h 5 mins on the two tasks in total.

Practice 4 Subtraction

First subtract the hours.
Then subtract the minutes.

1 Subtract.

Example

7 h 20 mins – 3 h 10 mins = ?

7 h 20 mins 3 h 10 mins

7 h 20 mins – 3 h 10 mins

= 4 h 10 mins

7 h – 3 h = 4 h

20 mins – 10 mins = 10 mins

4 h + 10 mins = 4 h 10 mins

a 8 h 20 mins – 7 h 15 mins = ?

8 h 20 mins 7 h 15 mins

8 h 20 mins – 7 h 15 mins

= 1 h 5 mins

8 h – 7 h = 1 h

20 mins – 15 mins = 5 mins

1 h + 5 mins = 1 h 5 mins

b 4 h 35 mins – 1 h 15 mins = ?

4 h 35 mins 1 h 15 mins

4 h 35 mins – 1 h 15 mins

= 3 h 20 mins

4 h – 1 h = 3 h

35 mins – 15 mins = 20 mins

3 h + 20 mins = 3 h 20 mins

c 3 h 55 mins – 2 h 30 mins = ?

3 h 55 mins 2 h 30 mins

3 h 55 mins – 2 h 30 mins

= 1 h 25 mins

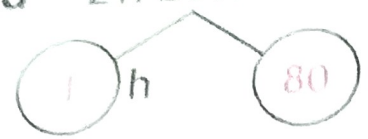
3 h – 2 h = 1 h

55 mins – 30 mins = 25 mins

1 h + 25 mins = 1 h 25 mins

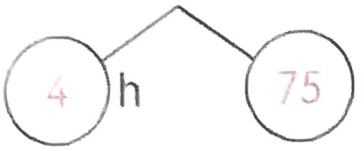
2 Subtract.

a 2 h 20 mins – 1 h 50 mins = 1 h 80 mins – 1 h 50 mins



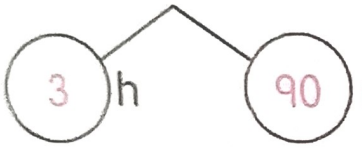
= 30 mins

b 5 h 15 mins – 2 h 25 mins = 4 h 75 mins – 2 h 25 mins



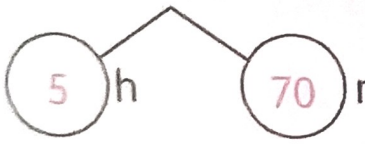
= 2 h 50 mins

c 4 h 30 mins – 2 h 35 mins = 3 h 90 mins – 2 h 35 mins



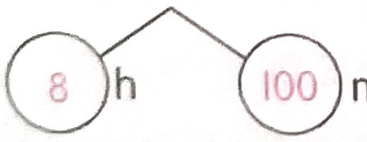
= 1 h 55 mins

d 6 h 10 mins – 1 h 55 mins = 5 h 70 mins – 1 h 55 mins



= 4 h 15 mins

e 9 h 40 mins – 4 h 45 mins = 8 h 100 mins – 4 h 45 mins



= 4 h 55 mins

3 Mrs Taylor takes 3 h 5 mins to cook dinner.
Mr Johnson takes 2 h 40 mins to cook dinner.
How much longer does Mrs Taylor take to cook dinner than Mr Johnson?

3 h 5 mins – 2 h 40 mins = ?
First regroup 3 h 5 mins: 3 h 5 mins = 2 h 65 mins
Subtract: 2 h 65 mins – 2 h 40 mins = 25 mins
Mrs Taylor takes 25 mins longer than Mr Johnson.

Practice 5 Duration in hours and minutes

1 *Fill in the spaces with the time.*
What time is:

a 2 hours after 8:00 p.m.? 10:00 p.m.

b 3 hours before 6:40 a.m.? 3:40 a.m.

c 30 minutes after 1:36 p.m.? 2:06 p.m.

d 45 minutes before 7:05 a.m.? 6:20 a.m.

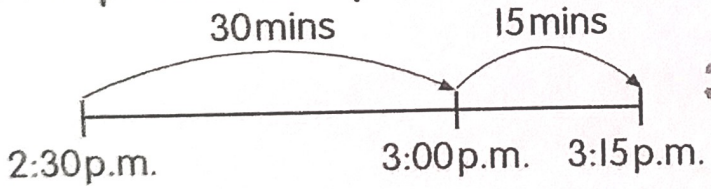
e 3 hours after 10:25 a.m.? 1:25 p.m.

f 2 hours before 1:20 p.m.? 11:20 a.m.

2 Draw a timeline to find the duration. Fill in the spaces.

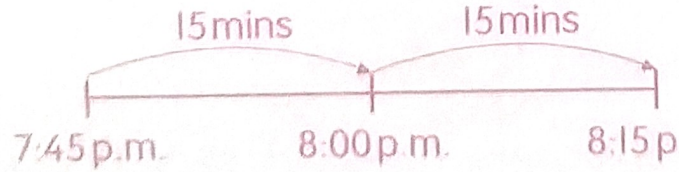
Example

2:30 p.m. to 3:15 p.m. **45 mins**



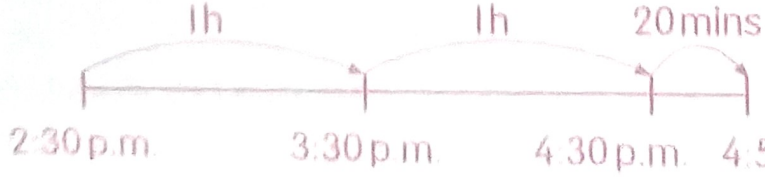
30 mins + 15 mins = 45 mins

a 7:45 p.m. to 8:15 p.m. 30 mins



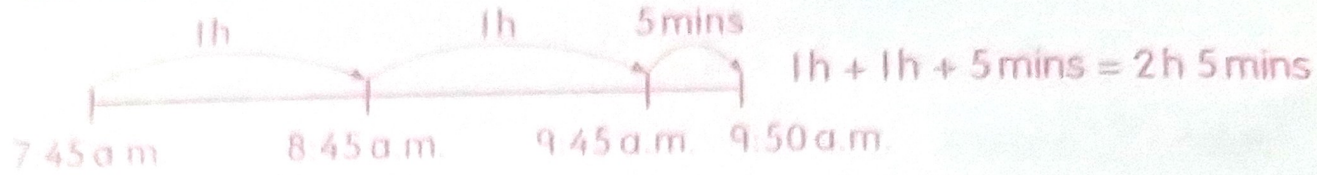
15 mins + 15 mins = 30 mins

b 2:30 p.m. to 4:50 p.m. 2 h 20 mins

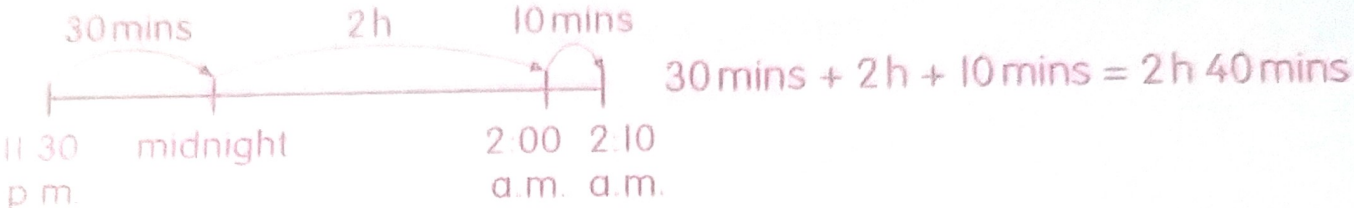


1 h + 1 h + 20 mins = 2 h 20 mins

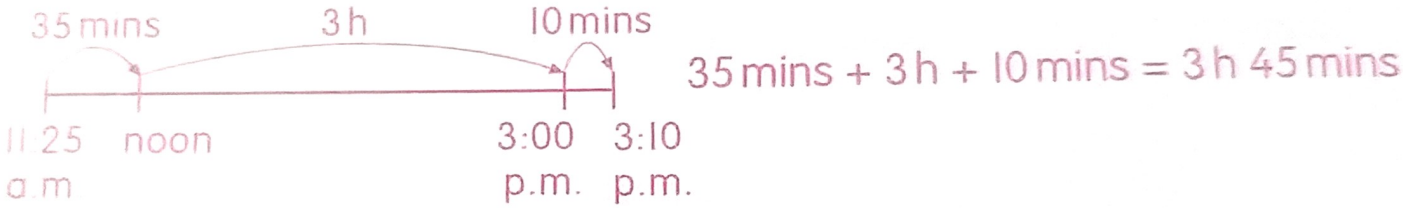
c 7:45 a.m. to 9:50 a.m. 2 h 5 mins



d 11:30 p.m. to 2:10 a.m. 2 h 40 mins



e 11:25 a.m. to 3:10 p.m. 3 h 45 mins

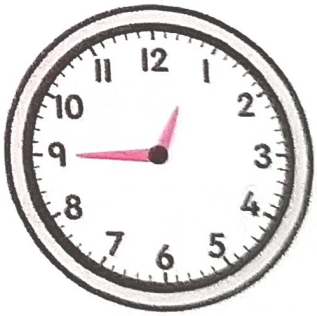


3 *Fill in the boxes with the correct time.*
Then draw the missing hands on each clock face.

a

9:30 p.m.

3 hours and
15 minutes later

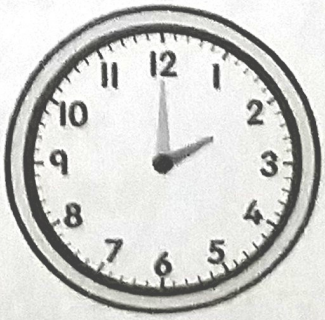


12:45 a.m.

b

11:15 p.m.

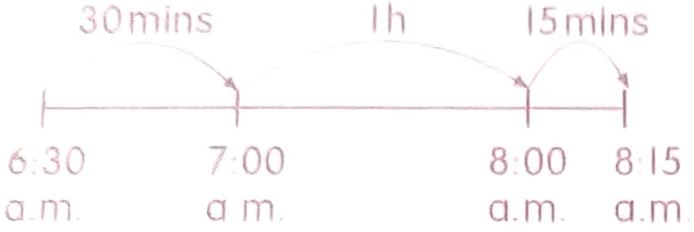
2 hours and
45 minutes earlier



2:00 a.m.

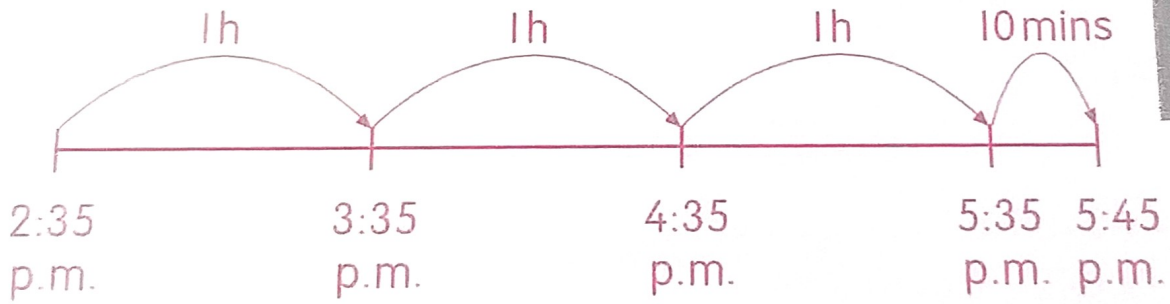
Solve these word problems.
Draw a timeline to help you.

4 Mr Graham exercises every morning.
He starts at 6:30 a.m. and finishes at 8:15 a.m.
How long does he spend exercising each morning?



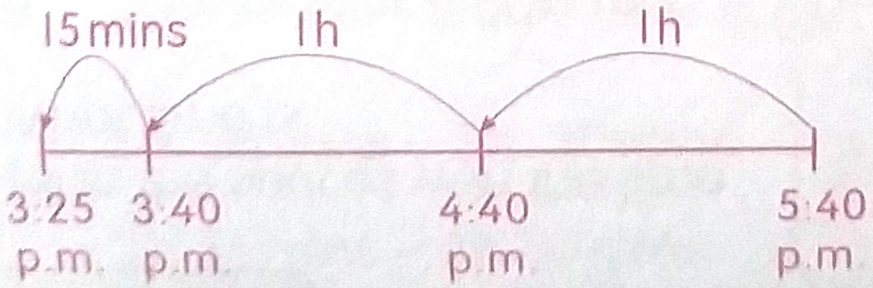
30 mins + 1 h + 15 mins = 1 h 45 mins
He spends 1 h 45 mins exercising each morning.

5 Ella starts reading a book at 2:35 p.m.
It takes her 3 h 10 mins to finish reading the book.
What time does she finish reading the book?



She finishes reading the book at 5:45 p.m.

6 Peter goes to the library.
He is there for 2 h 15 mins. He leaves the library at 5:40 p.m.
What time did he go to the library?

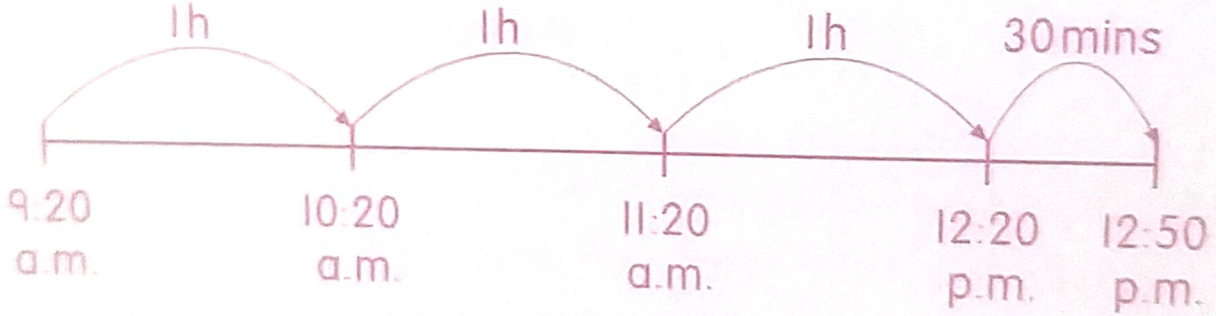


He went to the library at 3:25 p.m.

7 Omar is at his friend's house from 11:50 a.m. to 3:15 p.m.
How long is his visit?

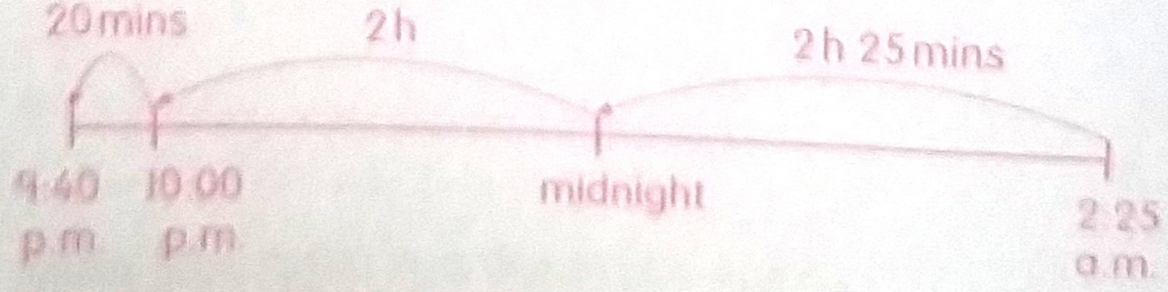
His visit is 3 h 25 mins long.

8 Mr Kahn travels to London by train.
The journey takes 3 h 30 mins.
His train leaves at 9:20 a.m.
What time does he arrive in London?



He arrives at 12:50 p.m.

9 Mrs Kemp's flight landed at Heathrow at 2:25 a.m.
Her flight took 4 h 45 mins.
What time did her plane take off?



Her plane took off at 9:40 p.m.