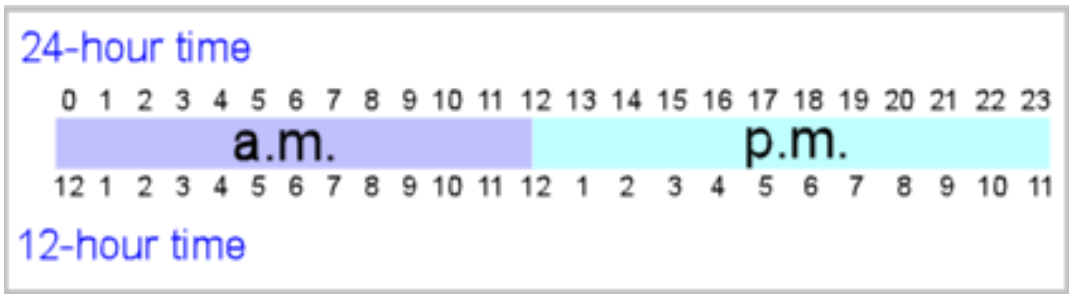
Past Papers Worksheet P2 & P4 Time (24 and 12 hour clock) IGCSE Math 0580



Practice 1 : Convert the following time

12 hour clock	24 hour clock
2: 00 am	
	10 55
12.00 pm	
	1230
2. 45 p.m	
8.05 p.m	
	23 59
12. 00 a.m	
	00 01

Answers: 0200 , 10:55am , 1200, 12:30pm , 1445, 2005, 1159, 2400, 12:01 am

Practice 2: Add/Subtract the following time

1) 21 15 → + 5h30 min ☐

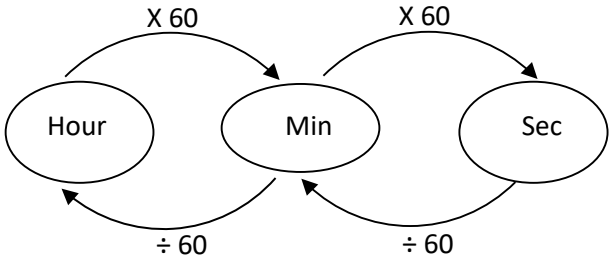
2) 13 05 → - 7h35 min ☐

3) 07 15 (Wednesday) - 20 35 (Tuesday) = ____ hours ____ min

4) 14 35 → -50min ☐

5) 04 00 (Monday) – 1755 (Sunday) = ____ hours ____ min

Answers: 1)0245 2)0530 3)10h 40min 4)1345 5)10h 5 min



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1. A train travels from Paris to Milan.
   The train departs from Paris at 20 28 and the journey takes 9 hours 10 minutes.
   Find the time the train arrives in Milan. [1]
   0580/43/M/J/12 Q1(a)(i)

2. Ahmed drives his car from London to Cambridge.
   He leaves London at 07 45 and arrives in Cambridge at 10 17.
   Work out the time, in hours and minutes,
   that he takes to drive from London to Cambridge [1]
   0580/23/O/N/17 Q1)

3. A train leaves Zurich at 22 40 and arrives in Vienna at 07 32 the next day.
   Work out the time taken. [1]
   0580/21/M/J/16 Q1)

4. A plane took 1 hour and 10 minutes to fly from Riyadh to Jeddah.
   The plane arrived in Jeddah at 23 05.
   At what time did the plane depart from Riyadh? [1]
   0580/23/O/N/10 Q2)

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5. Abdul walks along the footpath from Foxby to Glanton.
   He walks for 2 hours 14 minutes and arrives at Glanton at 1510.
   Calculate the time Abdul left Foxby.
   4024/11/M/J/21 Q15(a)

6. A cyclist left Melbourne on Wednesday 21 May
   at 09 45 to travel to Sydney. The journey took
   97 hours. Write down the day,
   date and time that the cyclist arrived in Sydney. [3]
   0580/21/M/J/10 Q9)

7. The ferry from Helsinki to Travemunde
   leaves Helsinki at 17 30 on a Tuesday.
   The journey takes 28 hours 45 minutes.
   Work out the day and time that the ferry
   arrives in Travemunde [2]
   0580/22/M/J/12 Q1)

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8. A train leaves Barcelona at 21 28 and takes
10 hours and 33 minutes to reach Paris.
Calculate the time the next day when the train arrives in Paris.[1]
0580/21/M/J/11 Q12)

9. A bus leaves a port every 15 minutes,
starting at 09 00. The last bus leaves at 17 30.
How many times does a bus leave the port
during one day?[2]
0580/22/O/N/11

10. A bus company in Dubai has the following operating times.

Day	Starting time	Finishing time
Saturday	0600	2400
Sunday	0600	2400
Monday	0600	2400
Tuesday	0600	2400
Wednesday	0600	2400
Thursday	0600	2400
Friday	1300	2400

(a) Calculate the total number of hours that the bus company operates in one week [3]
(b) Write the starting time on Friday in the 12-hour clock. [1]
0580/21/M/J/14 Q9)

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11. Here is part of a bus timetable.

Abbots	06 50	08 25	09 20
Callet	07 12	08 47	09 42
North Moor	07 30	09 05	10 00
South Moor	07 37	09 12	10 07
Centre Point	08 00	09 35	10 30

(a) Rashid catches the 09 20 bus at Abbots.
Find the time the bus arrives at South Moor. [1]
(b) Annisa leaves home at 8.27 am and takes 25 minutes to walk to the bus stop at Callet.
She catches the next bus to Centre Point.
Find the total time, in minutes, for her journey from leaving home to arriving at Centre Point. [2]
0580/43/M/J/22 Q1

12. The time in Lisbon is the same as the time in Funchal.
A plane left Lisbon at 0830 and arrived in Funchal at 1020.
It then left Funchal at 1255 and returned to Lisbon.
The return journey took 15 minutes more.
What time did the plane arrive in Lisbon? [2]
0580/23/M/J/13 Q3)

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13. A shop is open during the following hours

	Monday to Friday	Saturday	Sunday
Opening time	0645	0730	0845
Closing time	1730	1730	1200

(a) Write the closing time on Saturday in the 12-hour clock time. [1]

(b) Calculate the total number of hours the shop is open in one week. [2]

0580/22/O/N/12 Q9)

14. The table shows the opening and closing times of a café

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Opening time	0600	0600	0600	0600	0600	(*a*)	0800
Closing time	2200	2200	2200	2200	2200	2200	1300

(a) The café is open for a total of 100 hours each week.
Work out the opening time on Saturday. [2]

(b) The owner decides to close the café at a later time on Sunday. This increases the total number of hours the café is open by 4%.
Work out the new closing time on Sunday [1]

0580/22/M/J/11 Q10)

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15. Here is part of a train timetable for a journey from London to Marseille.

London	07 19
Ashford	07 55
Lyon	13 00
Avignon	14 08
Marseille	14 46

All times given are in local time.
The local time in Marseille is 1 hour ahead of the local time in London.
Work out the total journey time from London to Marseille.
Give your answer in hours and minutes. [2]
0580/43/M/J/19 Q1(a) (i)

16. Noma flies from Johannesburg to Hong Kong.
Her plane leaves Johannesburg at 1845 and arrives in Hong Kong 13 hours and 25 minutes later.
The local time in Hong Kong is 6 hours ahead of the time in Johannesburg.
At what time does Noma arrive in Hong Kong? [2]
0580/42/O/N/13 Q7) (a)

17. A plane flies from London to Colombo.
It leaves London at 01 50 and the total journey takes 13 hours and 45 minutes.
The local time in Colombo is 7 hours ahead of London.
Find the arrival time in Colombo. [3]
0580/42/O/N/10 Q6 (b)

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18. Ahmed and Ali went on a fishing trip.
They left home at 0645 and took 1 hour 50 minutes to travel the 88km to their destination.
(a) (i) Write down the time they arrived at their destination. [1]
(ii) Calculate the average speed of their journey in km/h. [2]
0580/47/M/J/14 Q1(a)

……



19. A plane from Colombo to Mumbai leaves at 2115 and the journey takes 2 hours 24 minutes.
(i) Find the time the plane arrives at Mumbai. [1]
(ii) If the distance between Munbai and Colombo is 1560 Km , calculate the average speed of the plane in km/h. [2]
0580/43/O/N/15 Q5(d)

20. Mr Chan flies from London to Los Angeles, a distance of 8800km.
The flight takes 11 hours and 10 minutes.
(i) His plane leaves London at 0935 local time.
The local time in Los Angeles is 8 hours behind the time in London.
Calculate the local time when the plane arrives in Los Angeles [2]
(ii) Work out the average speed of the plane in km/h [2] **0580/42/M/J/16 Q1(a)**

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Answers

Q1) [0]5 38

Q2) 2h 32 min

Q3) 8(h) 52 (min)

Q4) 21 55 or 9.55 pm

Q5) 1256

Q6) Sunday (May) 25 1045

Q7) Wednesday 22 15 or 10 15pm

Q8) (0)8(.)01 (am)

Q9) 35

Q10) (a) 119 (b) [0] 1 [00] pm

Q11) (a)1007 (b)123

Q12) 1500 or 3 pm

Q13) (a)530pm(b) 67

Q14) (a) (0)700 or 7 am (b) 1700 or 5 pm

Q15) 6h 27 mins

Q16) 1410 or 210 pm

Q17 22 35 or 10 35 pm

Q18) (i) [0]8 35 (ii) 48

Q19) (i)2339 (ii)650

Q20) (i) 12 45 [pm] (ii) 788

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