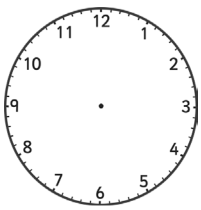
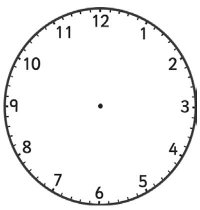
Calculating with Time

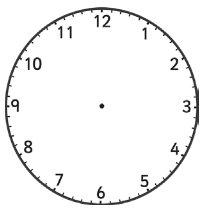
If each planet starts 1 rotation on 1st September 2015 at 9:00am can you work out when each planet rotation will end? Write down the correct **time** and **date**.

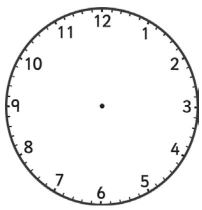
Planet	1 Rotation	End Time and Date
Mars ★	24 hours 37 minutes	
Mercury ★★	59 days	
Venus ★★★	243 days	
Neptune ★	16 hours 17 minutes	
Earth ★	23 hours 56 minutes	
Uranus ★★★	17 hours 12 minutes	
Jupiter ★	9 hours 55 minutes	
Saturn ★	10 hours 13 minutes	

Mark the rotation end times on each analogue clock then represent it digitally using both a 12-hour and 24-hour format. Next, mark each date on the calendar.









12 hour 24 hour 12 hour 24 hour 12 hour 24 hour 12 hour 24 hour

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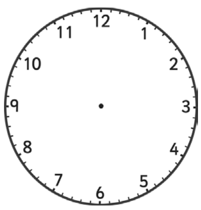

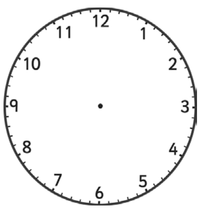

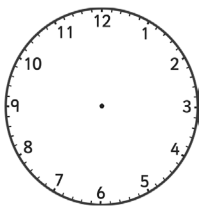

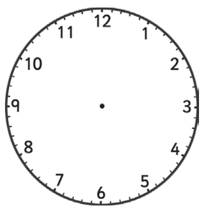

12 hour 24 hour 12 hour 24 hour 12 hour 24 hour 12 hour 24 hour

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Feb	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			
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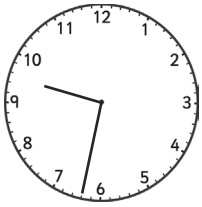
Aug	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

Calculating with Time **Answers**

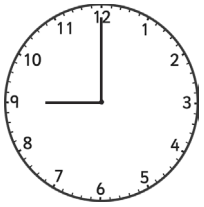
If each planet starts 1 rotation on 1st September 2015 at 9:00am can you work out when each planet rotation will end? Write down the correct **time** and **date**.

Planet	1 Rotation	End Time and Date
Mars ★	24 hours 37 minutes	2nd September 9.37am
Mercury ★★	59 days	30th October 9.00am
Venus ★★★	243 days	1st May 9:00am
Neptune ★	16 hours 17 minutes	2nd September 1:17am
Earth ★	23 hours 56 minutes	2nd September 8:56am
Uranus ★★★	17 hours 12 minutes	2nd September 2:12am
Jupiter ★	9 hours 55 minutes	1st September 6:55pm
Saturn ★	10 hours 13 minutes	1st September 7:13pm

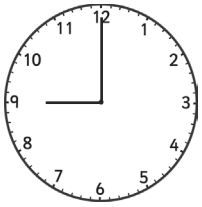
Mark the rotation end times on each analogue clock then represent it digitally using both a 12-hour and 24-hour format. Next, mark each date on the calendar.



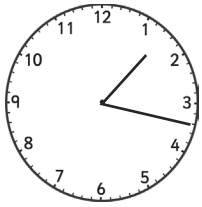
12 hour 09 : 37 24 hour 09 : 37



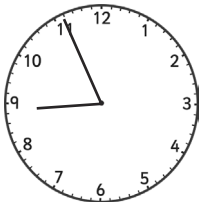
12 hour 09 : 00 24 hour 09 : 00



12 hour 09 : 00 24 hour 09 : 00

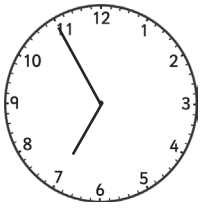


12 hour 01 : 17 24 hour 01 : 17



12 hour 08 : 56 24 hour 08 : 56

12 hour 02 : 12 24 hour 02 : 12



12 hour 06 : 55 24 hour 18 : 55

12 hour 07 : 13 24 hour 19 : 13

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Aug	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31