

OLYMPIAD · MENTAL ABILITY · OLYMPIAD PREPARATION · FORMULA BANK

Chapter 9: Clocks and Calendars

Every formula and result of the chapter on one sheet

1	Angle between the hands	$ 30h - 5.5m $
2	Minute hand	6° per minute
3	Hour hand	0.5° per minute
4	Hands coincide between h and $h + 1$	$\frac{60h}{11}$ minutes after h
5	Hands coincide in 12 hours	11 times
6	Odd days	ordinary year 1, leap year 2
7	Leap year	divisible by 4; century years only if divisible by 400
8	Day after n days	move forward by the remainder of n divided by 7