

My name



## Time

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## Series E – Time

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## Telling time – five minute intervals past the hour



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## Telling time – five minute intervals to the hour



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## Telling time – to the nearest minute

Each small division on a clock represents 1 minute.

As with telling the time to the nearest 5 minutes, we say 'minutes past' the last hour for times up to 30 minutes after the hour, and 'minutes' to the next hour for the 30 minutes coming up to the next hour.



This clock shows '16 minutes to 6'.



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Digital time is always read as minutes past the hour. <u>18:2'</u> This digital time could be read as 24 minutes past 8 or eight twenty four. Write the times that these digital clocks are showing: ь ((*05:08*)) c ((02:48)) 04:36 d а \_\_\_\_ past \_\_\_\_ \_\_past \_\_\_\_ \_\_\_\_ past \_\_\_\_ past \_\_\_\_\_ Draw the times on the clock faces and show the digital time below: **a** half past nine **b** twenty past one **c** ten past four **d** quarter past six

Complete the table to match how we say digital time to what it means:

	Digital time	How we say it	What it means
а	08:09	six oh nine	
b	(03:42)		
С	(04:25)		
d	07:48		





## Telling time – digital







## Measuring time – 24-hour time



Time can be measured using 12-hour time, using am/pm, or 24-hour time.

3:00 pm = 15:00

When writing digital time, a zero is sometimes placed before single-digit hours, so, for example, both 07:00 and 7:00 are correct. When showing 24-hour time a colon (:) is usually put between the hours and minutes (eg 14:00), though you may sometimes see it without (eg 1400).

## Complete the table with the correct analogue, digital and 24-hour times.

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	1:00 pm	9:30 pm	
08:35			18:15

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
2:22 pm	1:18 am		
		20:00	21:04



## Measuring time – 24-hour time

2	Convert these 24-hour times to digital times:										
	<b>a</b> 04:00 =	4:00 am	<b>b</b> 15:00 =								
	<b>c</b> 13:30 =		<b>d</b> 16:05 =								
	<b>e</b> 09:20 =		<b>f</b> 08:25 =								
3	Convert the	ese digital times into	24-hour time:								
	<b>a</b> 9 am	=	<b>b</b> 10 pm =	=							
	<b>c</b> 7:30 am	=	<b>d</b> 2:15 pm	=							
	<b>e</b> 5:35 am	=	<b>f</b> 7:25 pm	=							
4	It is 17:00 and your favourite TV show is due to start in half an hour. Show the starting time in digital form:										
DVD	recorders u	se 24-hour time to re	ecord programs.								
5	Minh want	s to record some pro	ograms on her DVD								

#### ra some pr ogr Enter the start and finish times of each program in 24-hour time. How long is each show?

(	Channel 4	Program	Start	Finish	Length
9:00 am	Science Show	Science Show	09.00	10.00	1 hour
10:00 am	Behind the News		05.00	10.00	Inour
11:00 am	Weather Report	Behind the News			
12:00 pm	Midday News				
1:30 pm	My Name is Greg	Movie: Solaris			
2:30 pm	Movie: Solaris				
4:00 pm	4 pm News	4 pm News			
5:00 pm	Smartline	Smartling			
6:00 pm	Current Affairs	Sinartime			
8:00 pm	Movie: Chinatown	Movie:			
9:45 pm	Late News	Chinatown			



6 Carla is training for a marathon. Complete the chart below to show how she spends her day. Colour each of the segments in the chart using a different colour to show the duration of each activity below.



- **b** How long is Carla's work day?
- **c** How much time does Carla have between dinner and bed time?



## Time memory

Getting

ready

This is a game for 2 players. You will need only 1 copy of this page. Cut out the set of cards below.



apply



What to

do next

Shuffle the cards well, then lay them out face down in a random spread.

Take turns to turn over two cards at a time to find a matching pair. A pair matches if they both have the same time on them. Keep playing until all the cards are gone. The player with the most pairs wins.

			$\rightarrow$
18 minutes to 4	03:42	02:45	$ \begin{array}{c} 11 & 12 \\ 12 & 1 \\ 9 & 3 \\ 8 & 7 & 6 \\ 7 & 6 & 5 \\ \end{array} $
30 minutes later than 1:15	01:45	$ \begin{array}{c} 11 \\ 12 \\ 12 \\ 9 \\ 8 \\ 7 \\ 6 \\ 5 \\ 4 \end{array} $	03:20
01:35	$ \begin{array}{c} 11 & 12 \\ 10 & 2 \\ 9 & 3 \\ 8 & 6 & 5 \\ \end{array} $	(17:50)	
(02:27)	3 minutes until two thirty	20 minutes past 10	(10:20)
Half past 9	09:30	03:35	$ \begin{array}{c} 11 & 12 \\ 10 & 2 \\ 9 \\ 8 & 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\$
(12:30)	45 minutes earlier than 1:15	$ \begin{array}{c}  & 11 \\  & 12 \\  & 12 \\  & 2 \\  & 3 \\  & 3 \\  & 8 \\  & 7 \\  & 6 \\  & 5 \\  & 4 \\  & 7 \\  & 6 \\  & 5 \\  & 7 \\  & 6 \\  & 5 \\  & 7 \\  & 6 \\  & 5 \\  & 7 $	01:45

Add to this set of cards by writing your own matching time statements.



## Broken wrist watch



Holly has a wrist watch that only has an hour hand. The minute hand has fallen off. Although it is broken, Holly can still tell the time.



Figure out the time of each of Holly's activities. Draw in the minute hand.













- **a** Holly gets up for school at \_\_\_\_\_.
- **b** She starts class at \_\_\_\_\_.
- c Her break is at \_\_\_\_\_.
- **d** Lunch is at \_\_\_\_\_.
- e After school swimming training is at \_\_\_\_\_.
- f Bedtime is at \_\_\_\_\_.



## Measuring time – am and pm

'am' is short for 'ante meridiem'. In Latin this means 'before midday'. We use 'am' for any time between midnight and midday.

'pm' is short for 'post meridiem'. In Latin this means 'after midday'. We use 'pm' for any time between midday and midnight.

# fpm' for any time the second sec

Meet me at

breakfast.

7 am just after

Meet me at

after dinner.

7 pm just

Write am or pm in each sentence:

**a** Jamie walks his dog every morning at 6:30 \_\_\_\_\_ before breakfast.

**b** Natalie has a snack after school at 4:00 \_\_\_\_\_.

2

c Just after midnight at 2:15 \_\_\_\_\_, we heard a noise outside.

## Complete this table by writing the times in digital from. Circle am or pm in the last column:

а	Ten past three in the morning	am / pm
b	Quarter to nine at night	am / pm
с	Twenty to two after midnight	am / pm
d	Daytime, eighteen minutes past one	am / pm
e	Seven minutes to twelve at night	am / pm

Add two hours to each of these digital times:

	а	9:52 am	b	3:15 pm			c	11:30	am _	
	d	1:42 pm	е	11:15 am			f	10:48	pm _	
4	Нс	ow many hours from:								
	а	4:00 pm to 7:00 pm		hours	b	5:00 pr	n to 1	1:00 pm	า	hours
	С	9:00 am to 1:00 pm		_hours	d	8:30 ar	n to 6	:30 pm		hours



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## Measuring time – time facts



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## Measuring time – time trials

We can use a timeline to help us with elapsed time problems.
Problem: Robbie got on the bus at 11:52 am and got off 30 minutes later. What time was it when Robbie got off the bus?
Steps: 1. Write the start time in the first box.
2. Use the timeline to count on in minutes. Each large marker is 10 minutes and each small marker is 2 minutes.
11:52 12:02 12:12 12:22
Answer: 12:22 pm



**a** Rex went for a jog at the park. He headed out at 7:40 am and jogged for 45 minutes. What time did he finish jogging?



b Jamie watched a TV show that started at 4:56 pm and went for 54 minutes. What time did the TV show finish?



**c** Naomi baked a chocolate cake. She put it in the oven at 1:25 pm and set the timer for 55 minutes. What time did the timer buzz?





30 days has September, April, June and November. All the rest have 31 days, except February alone which has 28 days clear and 29 days in each leap year.

)	Fill	in	the	missing	dates	on	this	calendar:
---	------	----	-----	---------	-------	----	------	-----------

	January									
S	М	т	w	т	F	S				
31					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				

April										
S	S M T W T F									
				1	2	3				
4	5	6	7	8	9	10				
11	12	13	14	15	16	17				
18	19	20								

February						
S	м	т	w	т	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20

May

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14 15

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18

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9

16

3

10

17

March						
s	м	т	w	т	F	s
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21						

June						
s	м	т	w	т	F	s
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20						

What day of the week are the following dates:

- a 11th April \_\_\_\_\_\_ b 23rd June \_\_\_\_\_
- **c** 2 weeks after 15th January
- **e** 1 week and 4 days after 7th May **f** 9 days after 30th January
- **d** 3 weeks after 6th February

Connect each date with a line to the timeline below:





## 5 birthdays



Five friends were all born in the same year. Read the clues to work out the month and day of the week that each person was born.

Names: Max, Liam, Harriet, Stefan, Leonie

Days: Monday, Tuesday, Thursday, Saturday, Sunday

Months: March, June, July, November, December



#### Clues:

- Max was born in March but not on a Tuesday.
- 2 His brother was born in November on a Thursday.



- **3** Liam was born on the weekend in the month after June.
- 4 One of the girls was born on Sunday in December.
- **5** Harriet was born one day after Max.
- 6 Stefan was born on the day of the week 2 days after Harriet in the month before December.
- 7 The child born on Monday was born in March.

Name	Day of the week	Month
Max		
Stefan		
Liam		
Harriet		
Leonie		



## I have ... who has ...?

## Getting ready

This is a game for 3 players. You will need only 1 copy of this page. Cut out the set of cards below.



apply



One player shuffles and deals 4 cards to each player.

Players arrange their cards face up, in order from earliest to latest.

The dealer starts by laying a card down and says, "I have ... who has ...?" All players try to be the first to lay the answer down. The first player to lay the matching card then reads their card and so on. *Note:* The person asking may have the matching card.

The first player to get rid of all their cards is the winner.



