

Planning Overview Year 5 Measures – Time

	Teaching and Learning
Introduction	Children should be confident at telling the time to the nearest minute using analogue and digital clocks. If this is not secure, then they will need to track back to the Year 3 time plan to address this gap in their learning. When talking about time children should be confident with using both
	am and pm times and both 12 and 24 digital clocks. If this is not secure then they will need to track back to the Year 4 time plan to address this gap in their learning.
	An elicitation activity like this one from <u>mathsframe.co.uk</u> might give you a good idea of how secure children are with the above concepts
	MATHSERAME Image: Constraint of the state st
Solve problems involving being able to tell the time	If children are confident with all of the elements above relating to being able to tell the time, allow them to tackle questions around reasoning about time. e.g. If the clock in my car was 7 minutes fast and it told me that I got to school at 7.54am what time did I actually get to school?
	If my passenger needed to make a phone call at 8.15am what time would they need the car clock to say?

Solve problems involving converting between units of time.



	Stefan	's watch she	ows five minutes	s past nine.	
	The wa	atch is twelv	ve minutes fast		
					10 ¹¹¹² 8 7 6 5 4
	What is	s the correc	t time?		
	The	se are all	times on the	same mornir	ng.
	А	7:56 an	n		
	В	quarter	to eight		
	С	six min	utes to eight		
	D	half pa	st seven		
	Writ	te the lette	ers for the tim	nes in order, s	starting with the earliest.
	Here ar	e the sunris	e and sunset tim	ies for some day	rs in July.
		Date	Sunrise	Sunset	
		7th	04:53	21:18	
		14th	05:00	21:12	
		21st	05:09	21:05	
		28th	05:18	20:55	
	How ma	any minutes	earlier is the su	nset on 28th Jul	ly than on 7th July?
					minutes
Solve	From pr	revious w	ork on time	the children	should be able to recall basic
problems involving	time co	nversion	S		
converting	1 minute	e = 60 se	conds		
between	1 hour =	60 minu	ites		
units of time	24 hour	s = 1 dav			
	365 day	ys = 1 vec	ar		







Ask children to calculate the length of other part of the school day or time they spend at clubs or sports in seconds.

Ask children to apply this understanding to work out how many minutes they spend at school each school day? Each week? In a given month? Across a half term?

Children to tackle SATs questions involving the conversion of time. In the question below children will need to decide what the common unit will be. Will children convert all of the times to seconds or all of the times to minutes and seconds?

The table shows the time taken for school teams to complete the relay race.

Team	Time taken
Red	203 seconds
Blue	2 minutes 5 seconds
Yellow	1 minute 50 seconds
Green	130 seconds













Apply telling	Reading	charts an	nd tak	oles ap	pears i	n the Y	′ear 5	statistic unit. You may
the time and	want to la	ook at ree	ading	timeto	ables w	ithin th	nat ur	it or add reading other
calculating	charts ar	id tables	to th	e end o	of this o	objecti	ve wit	thin the time unit.
events to	l ook at ti	nis timeto	able f	rom a	nast S	ATs pa	ner	
reading	Look at th			ronn a	p 40 t 0	nopa	por	
timetables	William wa	nts to travel t	o Paris	by train.				
	He needs t	to arrive in Pa	aris by 5	:30 pm.				
	Circle the I	atest time th	at Willia	ım can lea	ve Londor	1.		
	Le	aves Londo	n	Arrives P	aris			
		12:01		15:22	2			
		12:25		15:56	;			
		13:31		16:53	;			
		14:01		17:26	;			
		14:31		17:53				
		15:31		18-53				
		16:01		19:30	· · · · · · · · · · · · · · · · · · ·			
		10.01		15.20	,			
	Ask child	ren what	the k	ey pied	ces of i	nformo	ation t	that they need to
	know? Th	e latest t	ime t	o get t	o Paris	is 17:30	0. We	need to leave London
	as late as	s we can.						
	Ask child	ren to hig	shligh	t all the	e trains	s that v	vill arr	ive in Paris before
	5.30pm (Children	will n	eed to	conver	't to 24	-hour	time) What is the
	latest tim	e that w	e car	arrive	in Pari	s and s	still be	• there before 5.30pm?
	What tim	e did tho	ıt trai	n leave	e Londo	on?		
	A alc abild	ion to ror		thin mr				tion bolow What is the
	ASK Childi	en lo rep	natio	nis pro			e ques	we need to know?
	Highlight	the train	nutio s fron		ande th		n at S	
	identify w	hich of t	hose	is the d	arliest	train	puto	
			1030		carnest	. train.		
	Here is part of	the morning trai	n timotabl	e from Perth	to Midland in	Australia		
			07.00	07.07	07.05		07.55	_
	Perth	07:11	07:20	07:27	07:35	07:43	07:55	_
	Ashfield	-	-	07:38	-	07:54	-	_
	Success Hill	07:25	-	07:41	_	07:57	-	_
	Midland	07:32	07:41	07:48	07:56	08:05	08:16	
	What time is th	e first train from	Maylands	s that stops a	it Success Hi	II?		
								1
	Mr Evane ie in	Perth and wants	to he in !	Midland by 0	8-00			1 mark
	What is the tim	e of the latest tr	ain he ca	n take from F	Perth?			
								1
							:	
						·		1 mark



Highway Rd Rain Rd Coldcot Rd Westland Rd Bod Rd Kingswell Rd	06:50 07:00 07:11					
Highway Rd Rain Rd Coldcot Rd Westland Rd Bod Rd Kingswell Rd	06:50 07:00 07:11		Bus Tim	etable		
Rain Rd Coldcot Rd Westland Rd Bod Rd Kingswell Rd	07:00		07:25	08:45	09:10	09:45
Coldcot Rd Westland Rd Bod Rd Kingswell Rd	07.11	07:25	07:41	08:55	09:19	09:53
Westland Rd Bod Rd Kingswell Rd	V/.11	07:41	07:51	09:04	09:28	10:02
Bod Rd Kingswell Rd	07:18	07:59	07:59	09:11	09:38	10:11
Kingswell Rd	07:29	08:12	08:09	09:16	09:47	10:16
	07:33	08:15	08:14	09:20	09:53	10:21
Long Rd	07:45	08:30	08:30		10:05	10:40
and reaves namina	.250	the bus	anaciea	ves nam		
Explain your reason	ing.					
Explain your reason	ing. M	astery	with G	reater	Depth	
Explain your reason	ing. M	astery	with G Bus T	reater i imetabl	Depth	
Explain your reason	ing. M 06:50	astery	with G Bus T 07:25	reater i imetabl	Depth e 5 09:1	0 09
Explain your reason Highway Rd Rain Rd	ing. M 06:50 07:00	astery	with G Bus T 07:29 07:4	reater i imetabl 5 08:4 1 08:5	Depth e 5 09:1 5 09:1	0 09 9 09
Explain your reason Highway Rd Rain Rd Coldcot Rd	ing. M 06:50 07:00 07:11	astery 07:25 07:41	with G Bus T 07:2 07:4 07:5	reater i imetabl 5 08:4 1 08:5 1 09:0	Depth e 5 09:1 5 09:1 4 09:2	0 09 9 09 8 10
Explain your reason Highway Rd Rain Rd Coldcot Rd Westland Rd	ing. M 06:50 07:00 07:11 07:18	astery 07:25 07:59	with G Bus T 07:29 07:47 07:57	reater 1 imetable 5 08:4 1 08:5 1 09:0 9 09:1	Depth 5 09:1 5 09:1 4 09:2 1 09:3	0 09 9 09 28 10 38 10
Explain your reason Highway Rd Rain Rd Coldcot Rd Westland Rd Bod Rd	ing. M 06:50 07:00 07:11 07:18 07:29	astery 07:25 07:41 07:59 08:12	with G Bus T 07:29 07:4 07:5 07:59 07:59	reater i imetable 5 08:4 1 08:5 1 09:0 9 09:1 9 09:1	Depth 5 09:1 5 09:1 4 09:2 1 09:3 6 09:4	0 09 9 09 8 10 8 10 7 10
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