

<b>TOPIC 6</b>	<b>TIME</b>	<b>INTERVENSI</b>
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Learning Area: Duration  
 Learning Objective: Use and apply knowledge of time to find the duration.  
 Learning Outcome: Calculate the duration of an event in between month.

Teaching Aids

Duration: 1 hour

Calendar, time line, manipulative, worksheets.

Set Induction

1. Teacher show a yearly calendar.

Step 1: Pupils discuss in their own group about the calendar given to them

<p><u>Pupils' Activity:</u></p> <p>Discuss about the calendar.</p> <p>Take turn to talk about Public Holidays.</p>	<p><u>Notes to Teachers:</u></p> <p><i>Teacher distribute year 2007 calendar. (Appendix 1)</i></p> <p><i>Try to follow the phases of discussion:</i></p> <ul style="list-style-type: none"> <li>o <i>Names of months,</i></li> <li>o <i>List out the dates of Public Holidays.</i></li> </ul> <p><i>Guide pupils to talk about Public Holidays such as, the National Day, Hari Raya Aidilfitri etc.</i></p> <p><i>Pupils to calculate the duration between The Teachers Day and The National Day and use words such as duration, calculation, event.</i></p> <p><i>Teacher to guide pupils say out in full sentences.</i></p>
<p><u>Teacher's Instruction:</u></p> <ol style="list-style-type: none"> <li>1. <i>What can you say about the calendar?</i></li> <li>2. <i>Look at the calendar pupils. Can you name the months in a year?</i></li> <li>3. <i>Which is fourth month of the year? Which is the last month of the year? .. How many days are there in February?</i></li> </ol>	<p><u>Expected answers from pupils:</u></p> <ol style="list-style-type: none"> <li>1. <i>There are 12 months in a year.</i></li> <li>2. <i>January, February ..... December...</i></li> <li>3. <i>April.</i></li> <li>4. <i>It's December</i></li> <li>5. <i>28 days or 29 days.</i></li> </ol>



Step 3: Group activityPupils Activity:

1. Pupils work in groups.
2. Pupils present their answers.

Notes to teachers:

1. *Every group must have the different attributes such as different events.*
2. *Pupils are free to represent their answers.*

Teacher's Instruction:

1. *Now I want you all to work in group.*
2. *You may solve the problem using any strategy.*
3. *Any volunteer, please come forward to present your answer.*

Expected Answers from pupils:

(Appendix 1)

Look at the calendar and discuss with your friends and teacher.

**JAN 2007**

Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	5	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

**FEB 2007**

Mo	Tu	We	Th	Fr	Sa	Su
			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				

**MAR 2007**

Mo	Tu	We	Th	Fr	Sa	Su
			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	

**APR 2007**

Mo	Tu	We	Th	Fr	Sa	Su
30						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

**MAY 2009**

Mo	Tu	We	Th	Fr	Sa	Su
	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			

**JUN 2007**

Mo	Tu	We	Th	Fr	Sa	Su
				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	

**JULY 2007**

Mo	Tu	We	Th	Fr	Sa	Su
30	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

**AUG 2007**

Mo	Tu	We	Th	Fr	Sa	Su
		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		

**SEP 2007**

Mo	Tu	We	Th	Fr	Sa	Su
					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

**OCT 2007**

Mo	Tu	We	Th	Fr	Sa	Su
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				

**NOV 2007**

Mo	Tu	We	Th	Fr	Sa	Su
			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		

**DEC 2007**

Mo	Tu	We	Th	Fr	Sa	Su
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



TOPIC 6	TIME	INTERVENSI
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**WORKSHEET 1**

1. Find the duration in months.

a) June 2007 till November 2007.

( 1 mark )

b) April 2008 till October 2008.

( 1 mark )

2. Puan Juwita attended a course that lasted for 5 months. The course started in July 2006. When did the course end?

( 2 marks )

3. En Habib took 7 months to renovate his house. His house was completed in August 2007. Find the month he started renovating his house.

( 2 marks )

WORKSHEET 2

(Extract from *Masmatiks* pg 14 & 15)

<p>1 Diagram shows a calendar for the month of March 2007.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="7">MARCH</th> </tr> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> </tr> <tr> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> </tr> <tr> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> </tr> <tr> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> <td>31</td> <td></td> </tr> </tbody> </table> <p>State:</p> <p>(a) the date of the second Friday in that month.</p> <p>(b) the first day of the month.</p>	MARCH							S	M	T	W	T	F	S				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		<p>3</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="7">OCTOBER</th> </tr> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> </tr> </tbody> </table> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="7">NOVEMBER</th> </tr> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> </tbody> </table> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="7">DECEMBER</th> </tr> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>31</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> </tr> <tr> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> </tr> <tr> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> </tr> <tr> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> </tr> <tr> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> </tr> </tbody> </table> <p>a) How many days are there altogether for the 3 months?</p> <p>(b) What is the date of the third Tuesday in the month?</p>	OCTOBER							S	M	T	W	T	F	S		1	2	3	4	5	6	7	8	9	10	11	12	13	NOVEMBER							S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	DECEMBER							S	M	T	W	T	F	S	30	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
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*Time duration*

Solve these problems

Exercises

1	How many days are there from 12.1.2007 to 20.1.2007?	6	$10 \text{ hr } 10 \text{ min} + 1 \text{ hr } 40 \text{ min} =$
2	How many days are there from? 29th June 2007 to 31st August 2007?	7	$5 \text{ hr } 20 \text{ min} - 1 \text{ hr } 35 \text{ min} =$
3	How many hours and minutes are there from 7.30 a.m. to 2.55 p.m.?	8	$8 \text{ hr } 55 \text{ min} - 6 \text{ hr } \frac{1}{2} \text{ min} =$
4	How many hours and minutes are there from 10.50 p.m. on Monday to 1 2.45 a.m. on Tuesday?	9	Calculate $4 \text{ hr } 15 \text{ min} + \frac{3}{4} \text{ hr}$ .
5	$4 \text{ hr } 15 \text{ min} + 2 \text{ hr } 50 \text{ min} =$	10	Calculate $8 \text{ hr } 5 \text{ min} - \frac{2}{3} \text{ hr}$ .