# Ms Starr Grade 5 A Week 8: TIME

## Learning Intentions

We are learning to increase our knowledge of time, calendars and read the time on an analogue and digital clock face to the minute.

## Success Criteria

I will be able to:

- Read and write time using a 24 hr clock.
- Using clocks and calendars to work out the time between 2 or more dates.
- Calculate and compare elapsed time.

# Maths Group Week 8

| Red Group | Blue Group | Purple Group |
|---|---|---|
| -Ansley | -Antonious | -Aleyna |
| -Ali | -Lamise | -Alexander |
| -Laila | -Saheeh | -Tasneem |
| -Mahmoud | -Mert | -Jana |
| -Malyun | -Rima | -Sarrianh |
| -Jibran | -Lamis | - Destina |
| | -Ahmad | |
| | -Maghi | |

# Time Language

## *What's the time, Mr. Wolf?*

- Digital
- Analogue
- Minute
- Hour
- Second
- PM & AM
- 24 hour clock
- elapsed time
- Calendar
- timetables.

# Analogue Clocks

**Midday**
12 o'clock in the middle of the day (or noon).

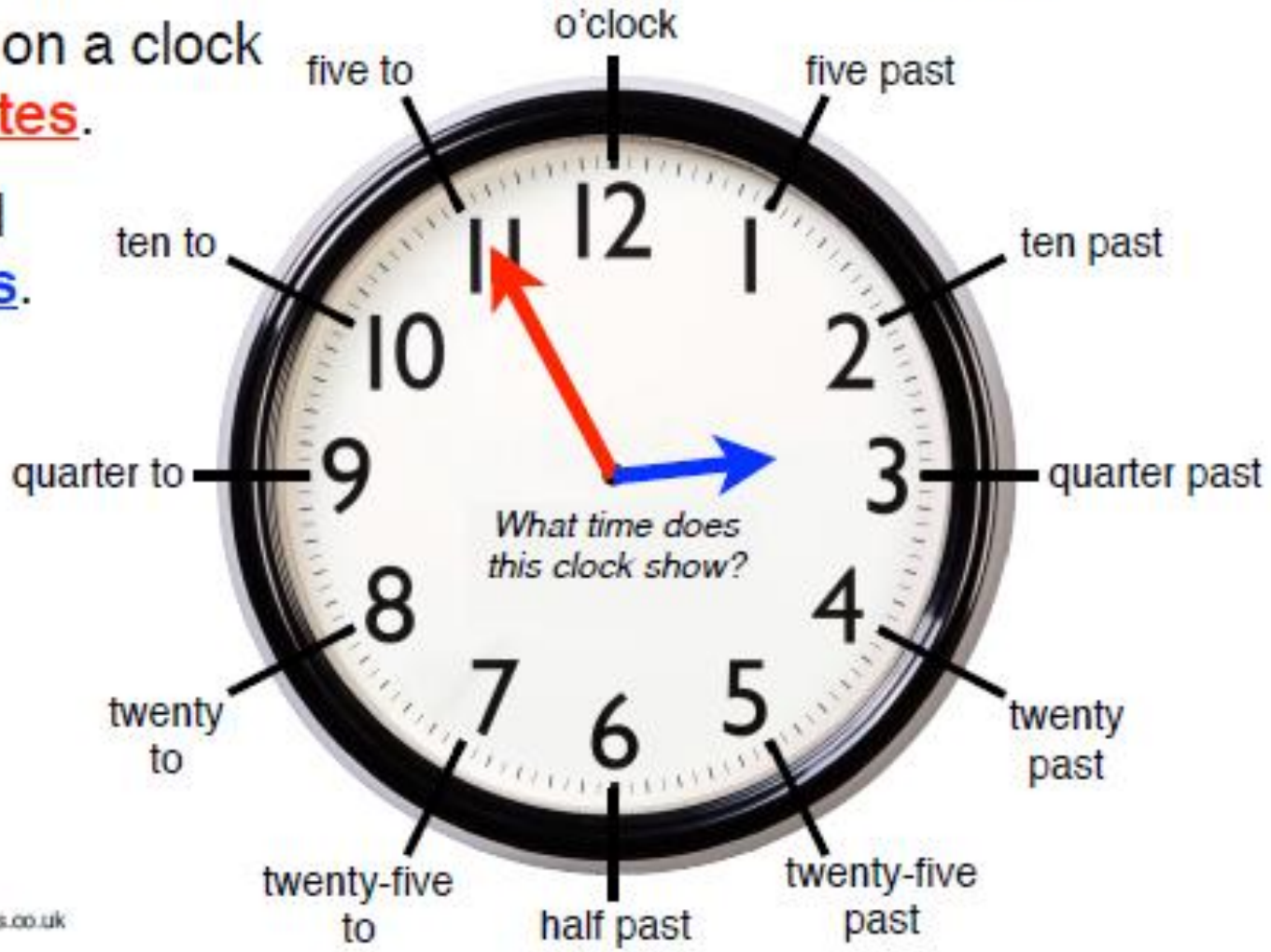
**Midnight**
12 o'clock at night.

The longer hand on a clock tells us the **minutes**.

The shorter hand tells us the **hours**.

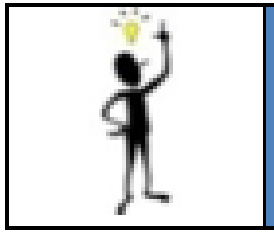
*Which way do the hands of a clock go round?*

**Anticlockwise** **Clockwise**

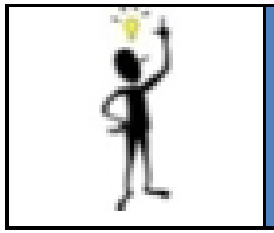


**MONDAY –**

## *Learning Intentions*

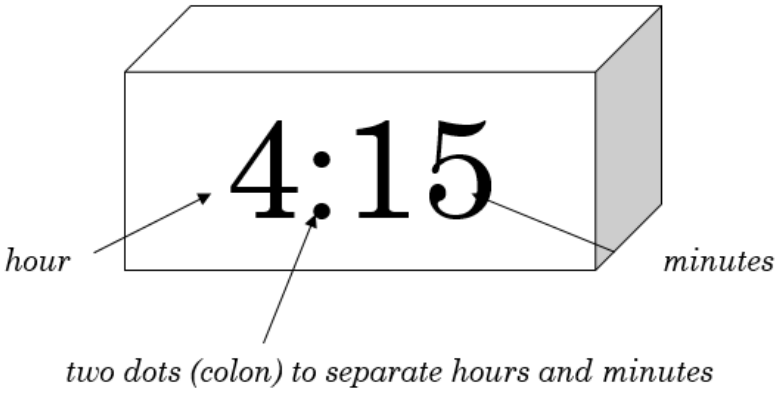


***A.M. (a.m.) stands for Ante Meridian and in Latin it means 'before noon'. It is used to show time between midnight and noon (midday).***



***P.M. (p.m.) stands for Post Meridian and in Latin it means 'after noon'). It is used to show time between noon (midday) and midnight.***

*Let's have a look at the face of the digital clock.*

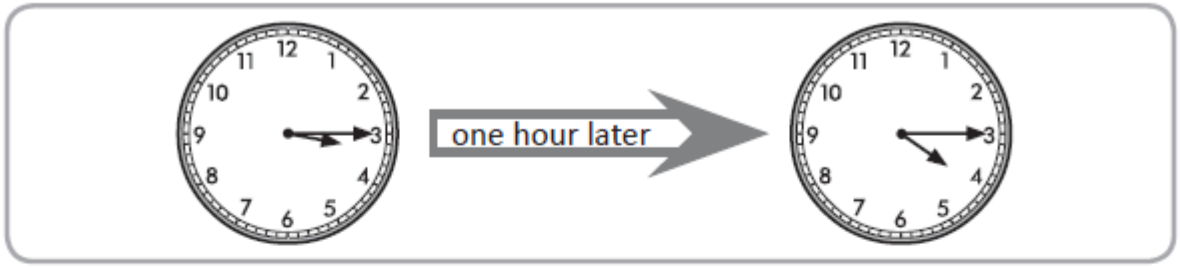



**Turn over to compare analogue and digital time.**

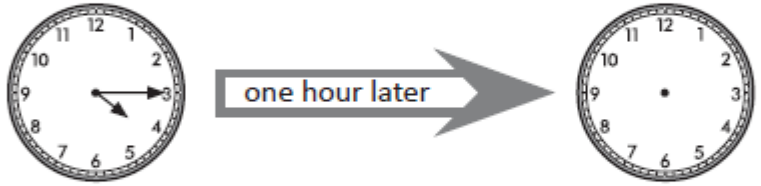
https://braingenie.ck12.org/skills/102349

# **Monday Red Group - Activities**: To tell the time using am and pm 24 hour language.

## Measuring time – time trails




**1** **Show the time that is one hour later:**

a 


b 


**2** **Write the time that is half an hour earlier:**

a 

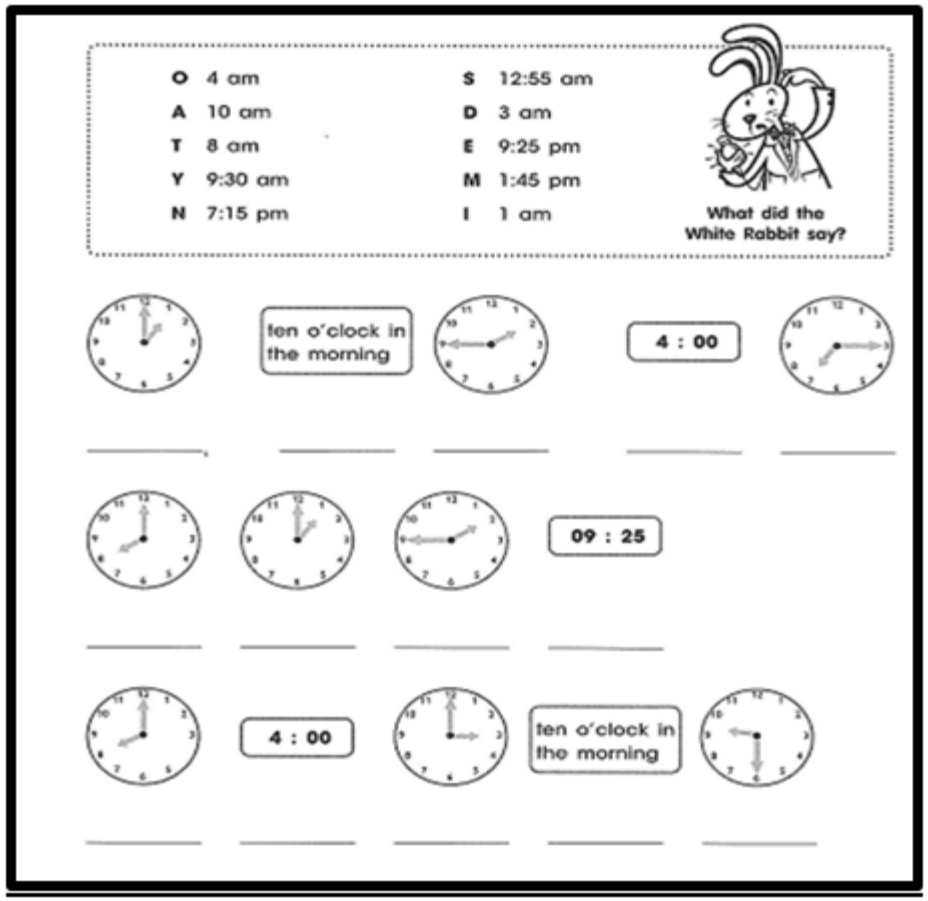

Read what time is below in hundred hours. Once you have read the time convert to am or pm time.

| | | | |
|---|---|---|---|
| 1500 | 1700 | 1300 | 1400 |
| 1430 | 2030 | 2100 | 1330 |
| 2000 | 1730 | 1830 | 2230 |
| 1900 | 2130 | 1630 | 1930 |
| 1600 | 2200 | 2330 | 2300 |

# Monday Blue Group – To tell the time using am and pm 24 hour language.

## Activities:

1. *Match the times written below and write down the corresponding letters.*




Read what time is below in hundred hours. Once you have read the time convert to am or pm time.

| | | | |
|---|---|---|---|
| 1500 | 1700 | 1300 | 1400 |
| 1430 | 2030 | 2100 | 1330 |
| 2000 | 1730 | 1830 | 2230 |
| 1900 | 2130 | 1630 | 1930 |
| 1600 | 2200 | 2330 | 2300 |

# **Monday Purple Group - Activities**: To tell the time using 24 hour language.

How do you know if a time refers to morning or evening?

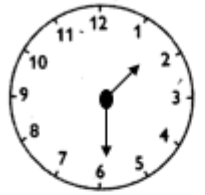
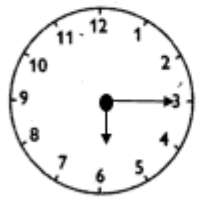
We use the letters ***am*** and ***pm***

What do they mean?

**am** is short (abbreviated) for *ante meridiem* which refers to the hours between midnight and 12 noon. E.g. *I wake up at 7am every morning.*

**pm** is short for *post meridiem* which refers to the hours between 12 noon and 12 midnight. E.g. *I go to bed at 9 pm after I have played with my pets.*

I have given you the analogue time. Write the time on the digital clock.
I have completed the first one for you.

| Analogue | Digital |
|---|---|
|  | 1:30 |
|  | |
|  | |
|  | |
|  | |

# TUESDAY-Measuring Time


## TIME

60 seconds = 1 minute

60 minutes = 1 hour

24 hours = 1 day

7 days = 1 week

2 weeks = 1 fortnight

12 months = 1 year

52 weeks = 1 year

365 =1 year

366 days = 1 leap year

## Measuring time – time relationships

Connect these time facts:

| | | | |
|---|---|---|---|
| 1 minute | 24 hours | 1 year | 10 years |
| 1 hour | 365 days | 1 fortnight | 100 years |
| 1 day | 60 seconds | 1 decade | 12 months |
| 1 year | 60 minutes | 1 century | 14 days |

# Tuesday Red Group -

***Learning Intentions***

*To tell time to the minute and investigate the relationship between units of time*

## Measuring time – time relationships

Connect these time facts:

| | | | |
|---|---|---|---|
| 1 minute | 24 hours | 1 year | 10 years |
| 1 hour | 365 days | 1 fortnight | 100 years |
| 1 day | 60 seconds | 1 decade | 12 months |
| 1 year | 60 minutes | 1 century | 14 days |

**1** How many minutes are there in the following hours?

a 2 hours = ☐ minutes

b $\frac{1}{4}$ hour = ☐ minutes

c $\frac{1}{2}$ hour = ☐ minutes

d $\frac{3}{4}$ hour = ☐ minutes

e 4 hours = ☐ minutes

f 6 hours = ☐ minutes

**2** How many seconds are there in the following times?
You may use a calculator.

I need to remember to change hours to minutes first. Then I can convert to seconds.


a 2 minutes = ☐ seconds

b 5 minutes = ☐ seconds

c 1 hour = ☐ seconds

d $\frac{1}{2}$ hour = ☐ seconds

e $\frac{1}{2}$ minute = ☐ seconds

f $\frac{1}{4}$ hour = ☐ seconds

RED:

1. How long does it take the minute hand to go right around the clock once? _____
2. How many minutes in an hour?_____
3. How many minutes between 2 o'clock and 3 o'clock?_____

Complete the following:

1. 65 mins= _____hr _____mins
2. 70 mins=_____hr_____mins
3. 80 mins=_____hr _____ mins
4. 90mins= _____hr _____ mins
5. 100 mins_____hr_____ mins
6. 155 mins_____hr _____mins

How many minutes in the hour.

1. 1 hr 3 mins=_____mins
2. 1 hr 50 mins=_____mins
3. 2hrs 10 mins=_____mins
4. 10 hours= _____mins

# Tuesday Blue Group -

***Learning Intentions***

*To tell time to the minute and investigate the relationship between units of time*

1. The race took Darryl 2 minutes and 43 seconds. The same race took Ian 170 seconds. Who was fastest?

2. Mel estimated that the drive would take 50 hours. It ended up taking 2 days and 5 hours. Did the drive take longer or shorter than she estimated? By how much?

3. The battery on the laptop was advertised to last 450 minutes. Brad is confused. Convert 450 minutes to hours and minutes for Brad.

4. The recipe says that the stew should cook for 1 hour and 50 minutes. Lyn has been cooking it for 74 minutes. How much longer does the stew need to cook for?

# Tuesday Purple Group

***Learning Intentions***

*To tell time to the minute and investigate the relationship between units of time*

## Measuring time – time facts

It is important to learn these time facts:

- 60 seconds = 1 minute
- 60 minutes = 1 hour
- 24 hours = 1 day
- 7 days = 1 week

**1** **Use the information above to answer these:**

**a** hours in 1 day = _____

**b** hours in 2 days = _____

**c** minutes in 2 hours = _____

**d** days in 2 weeks = _____

**e** seconds in 1 minute = _____

**f** seconds in $\frac{1}{2}$ a minute = _____

*Complete the following conversions using the chart above, a calculator or some scrap paper.*

*a. 60 minutes = ____ hour*

*b. 1 year = ____ months*

*c. ____ hours = 1 day*

*d. ____ hours = 180 minutes*

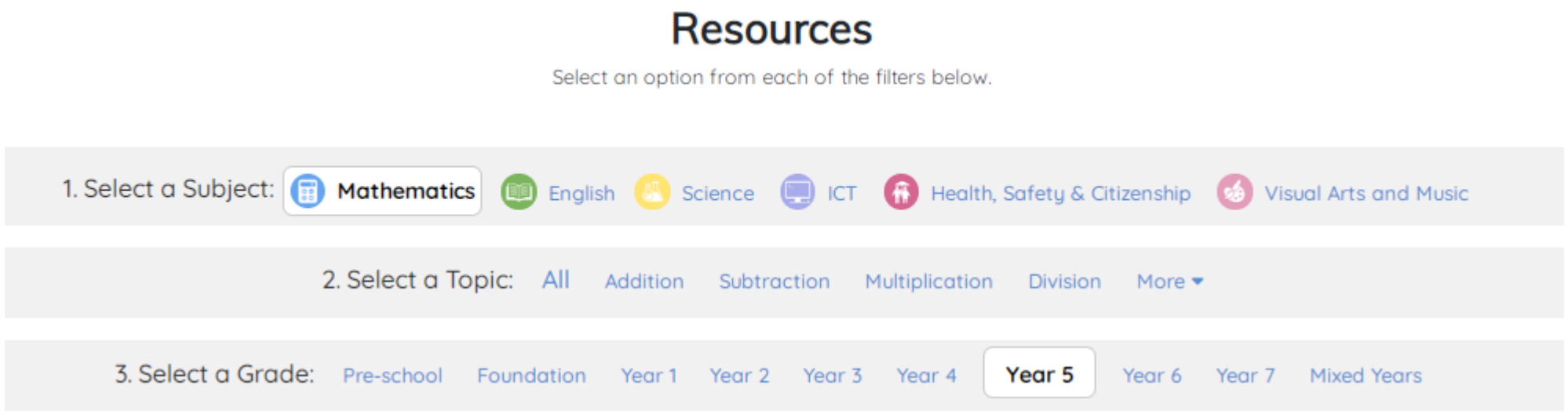
*e. ____ seconds = 2 minutes*

*f. ____ minutes = 600 seconds*

# Wednesday Introduction
# Study Ladder

Log into Study Ladder and complete the assign subtraction in week 7 & 8 PODS.

1. Subtraction mental strategies
2. Subtraction rapid recall
3. Subtraction problem solving



# Wednesday Activities: Log in on Study Ladder

| RED- | BLUE: | PURPLE: |
| --- | --- | --- |
| Log in and complete week 7 & 8 PODS.<br>Finish off any set tasks in study ladder for week 7 & 8 | Log in and complete week 7 & 8 PODS.<br>Finish off any set tasks in study ladder for week 7 & 8 | Log in and complete week 7 & 8 PODS.<br>Finish off any set tasks in study ladder for week 7 & 8. |
| 1. Week 8 Time Pod. | 1. Week 8 Time Pod. | 1. Week 8 Time Pod. |

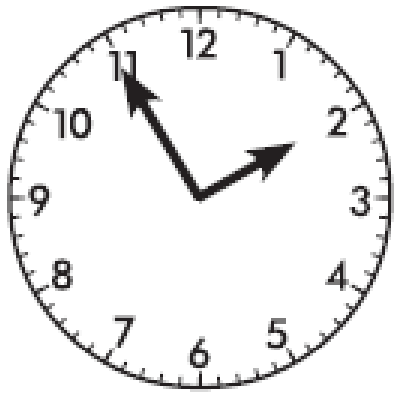
# Thursday –Calculate and compare elapsed time.

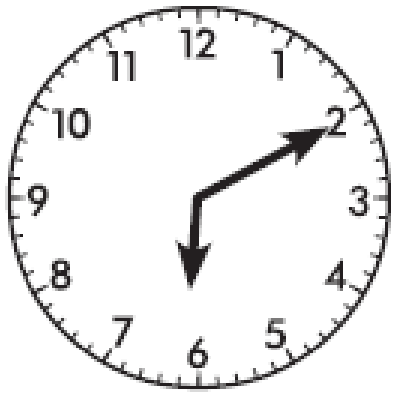
## Calculating time – elapsed time

Elapsed time is the difference between 2 different times.

To work out the difference between 2 times first you count the hours then you count the minutes.

1:55 to 6:10





1:55 to 5:55 = 4 hours

5:55 to 6:10 = 15 minutes

Total elapsed time is 4 hours and 15 minutes.

**Thursday – Introduction- Elapsed Time.**

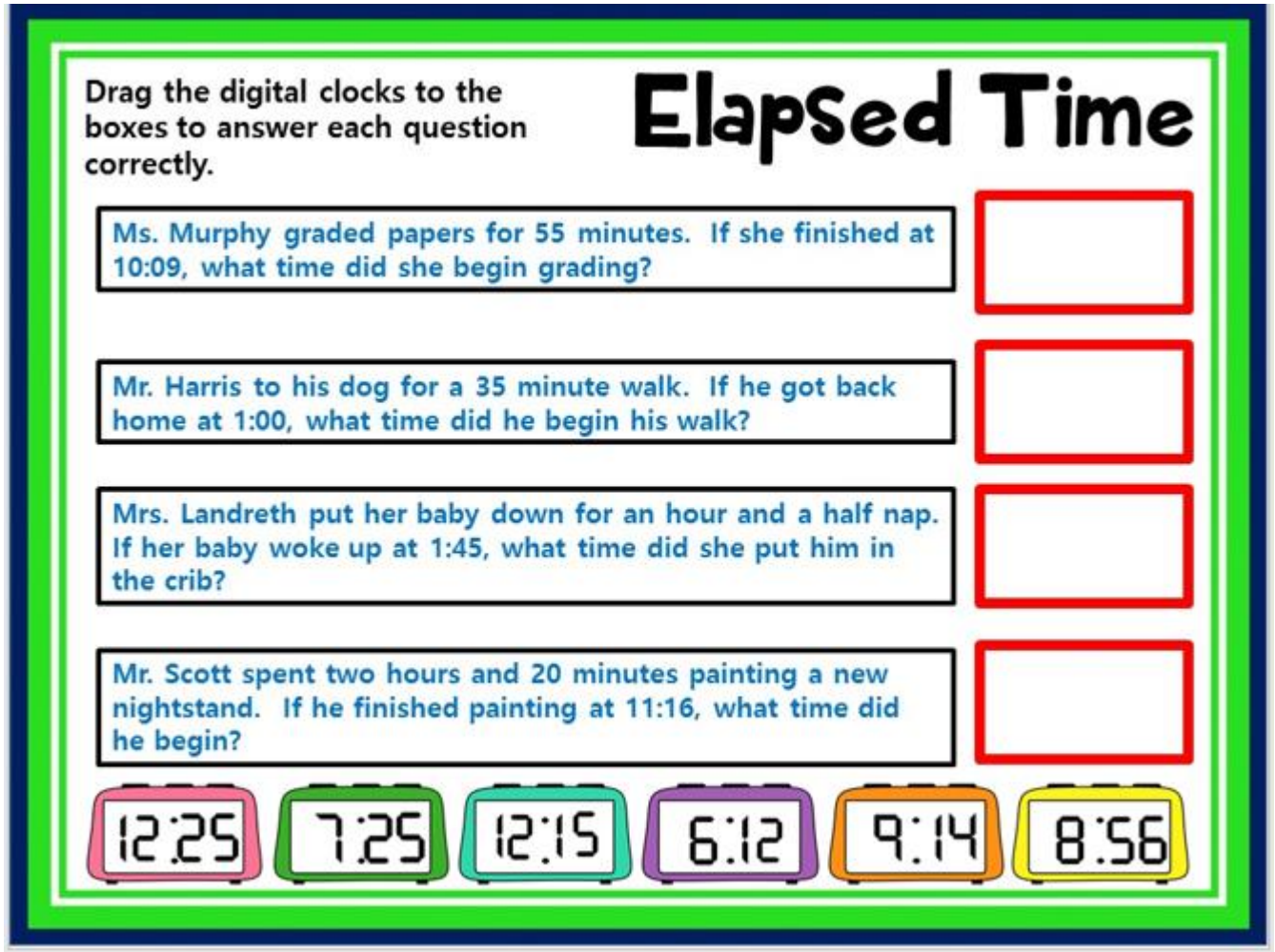
**Have a go at working out the Elapsed time for each event.**

Write in the correct answers.

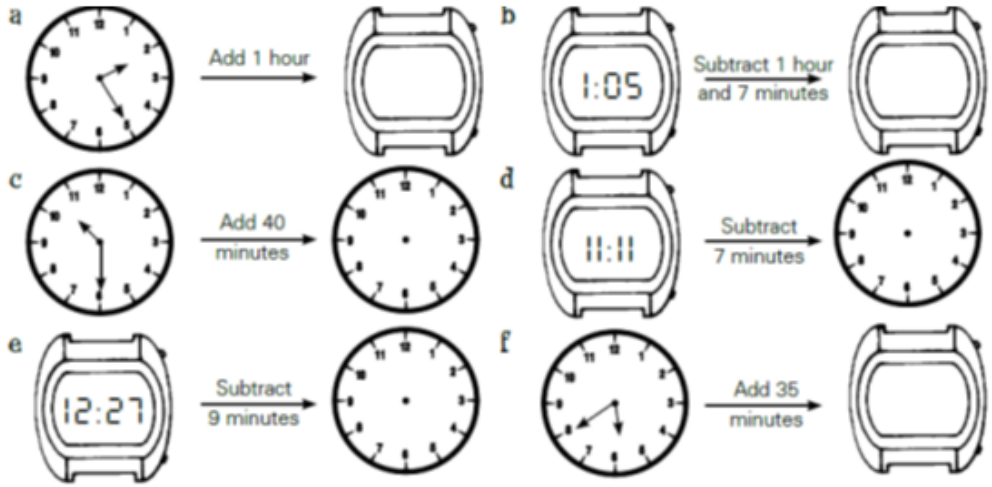
# Elapsed Time

| English class began at | Math class began at | Science class began at |
|---|---|---|
|  |  |  |
| We were dismissed at | We were dismissed at | We were dismissed at |
|  |  |  |
| How long was the class? | How long was the class? | How long was the class? |
| _____ hours | _____ hours | _____ hours |
| _____ minutes | _____ minutes | _____ minutes |

# **Thursday Red Group - Activities**: Elapsed Time




2. *Look at the first clock. Follow the instructions and record the time on the second clock.*




3. *Look at the following events. Write whether you think they would happen in a.m. or p.m. time.*

*a. lunch* _____ *b. morning tea* _____

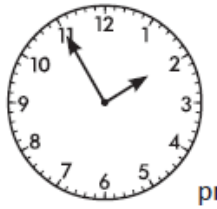
*c. fireworks* _____ *d. a midnight snack* _____

*e. homework* _____ *f. bedtime story* _____

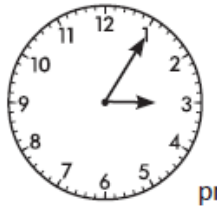
# **Thursday Blue Group - Activities**: Elapsed Time.

**Work out the time elapsed.**

**a** Linh arrived at a party at:




She left at:

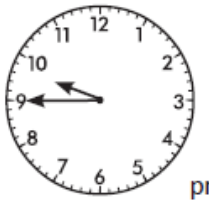



She was at the party for:

_____ minutes

**b** The bus left at:


It arrived at:

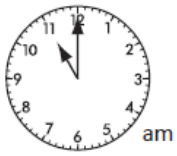
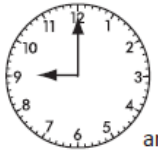
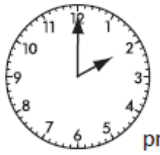



The bus trip took:

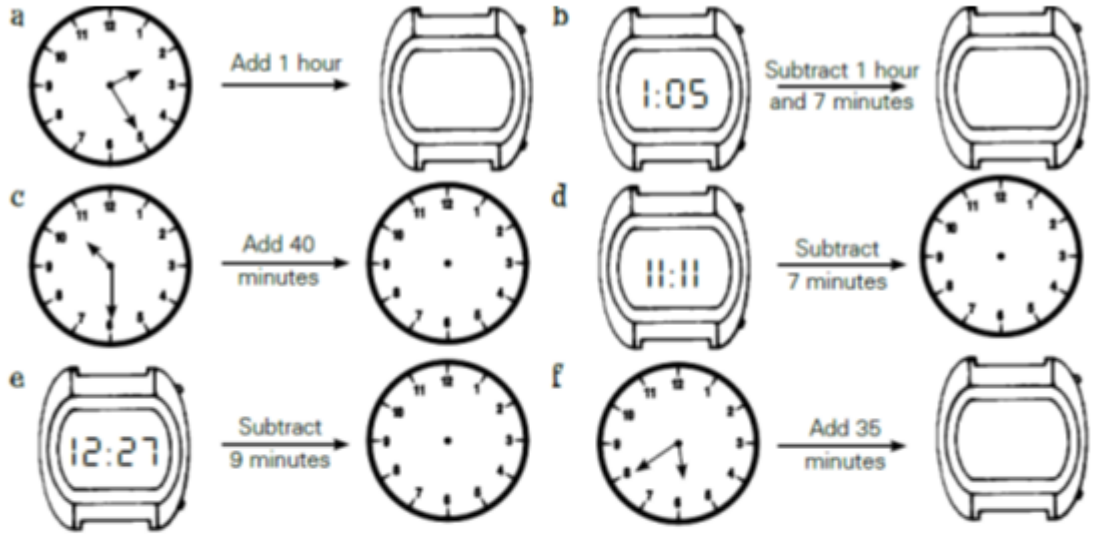
_____ hours

_____ minutes

**Work out the elapsed time.**

| | |
|---|---|
| Start: 9:15 am<br>Elapsed time: _____<br>  | Start: 7:30 am<br>Elapsed time _____<br>  |
| Start: 4:00 pm<br>Elapsed time _____<br>  | Start: 2:00 am<br>Elapsed time _____<br>  |

2. *Look at the first clock. Follow the instructions and record the time on the second clock.*




3. *Look at the following events. Write whether you think they would happen in a.m. or p.m. time.*

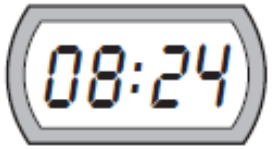
*a. lunch* _____ *b. morning tea* _____

*c. fireworks* _____ *d. a midnight snack* _____

*e. homework* _____ *f. bedtime story* _____

# Thursday Purple  Group - Activities:

Digital time is always read as minutes past the hour. This digital time could be read as 24 minutes past 8 *or* eight twenty four. Digital clocks often display a zero when the hour is a single digit.

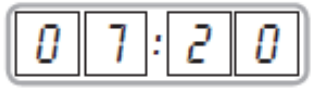



**1** **Draw a line to connect each of these digital times to how they could be read:**


16 minutes past 3 | 25 minutes past 4 | 48 minutes past 9 | 23 minutes past 7

**2** **Write the times on the digital clock radios. The first one has been done for you.**

**a** seven twenty




**b** 13 minutes past 4

**c** 25 minutes past 2

**d** four thirty two

**e** 28 minutes past 6

**f** nine fifty two

# Friday Introduction-

If its 9.00am in Melbourne, what time is it in all the other states of Australia.

# Friday All Group - Activities:

- **Current Local Time in Kuala Lumpur, Malaysia-----**
- **Current Local Time in Las Vegas, Nevada, USA-----**
- **Current Local Time in Adelaide, South Australia, Australia------**
- **Current Local Time in Auckland, New Zealand-------**
- **Current Local Time in Chicago, Illinois, USA-------**
- **Current Local Time in Dubai, Dubai, United Arab Emirates------**
- **Current Local Time in Beirut, Lebanon-------**
- **Current Local Time in New York, New York, USA---------**
- **Current Local Time in Paris, Île-de-France, France--------**
- **Current Local Time in Johannesburg, South Africa--------**

## The World Clock

https://www.timeanddate.com/worldclock/