

Antelope Class
Maths
Week 1 learning- 20.4.20

Time



This week we are going to start looking at time.

We will:

- Convert from hours to minutes; minutes to seconds; years to months; weeks to days.
 - Read the time on analogue clocks
 - Draw time on analogue clocks
 - Answer time questions.

Lesson 1

This is an analogue clock:



There are 60 minutes in 1 hour.

Each number on the clock is when 5 minutes have past.

$$12 \times 5 = 60$$

In each minute, there are 60 seconds.

Answer these with what you know:

How many seconds are in a minute?

How many minutes are in an hour?

How many hours are in a day?

How many days are in a week?

How many weeks are in a year?

How many months are in a year?

How many days are in a year?

Minutes to hours

60 minutes = 1 hour

So... 120 minutes =

You will need to work out $120 \div 60 = ?$

Use a sum you know to help you work it out:

$$12 \div 6 = 2$$

So... $120 \div 60 = 2$

And 120 minutes = 2 hours

Minutes to hours

Have a go at converting the minutes to hours by choosing one of the activities (1, 2 or 3):

Activity 1

1. 60 minutes =
2. 120 minutes =
3. 180 minutes =
4. 240 minutes =
5. 300 minutes =

Activity 2

1. 300 minutes =
2. 540 minutes =
3. 600 minutes =
4. 330 minutes =
5. 190 minutes =

Activity 3

1. 190 minutes =
2. 80 minutes =
3. 270 minutes =
4. 174 minutes =
5. 256 minutes =

Remember:

60 minutes = 1 hour

(This should take 5-10 minutes)

Help: 130 minutes =

120 minutes = 2 hours

$130 - 120 = 10$

So... 130 minutes = 2 hours and 10 minutes

Answers:

Activity 1

1. 60 minutes = 1 hour
2. 120 minutes = 2 hours
3. 180 minutes = 3 hours
4. 240 minutes = 4 hours
5. 300 minutes = 5 hours

Activity 3

1. 190 minutes = 3 hours and 10 minutes
2. 80 minutes = 1 hour and 20 minutes
3. 270 minutes = 4 hours and 30 minutes
4. 174 minutes = 2 hours and 54 minutes
5. 256 minutes = 4 hours and 16 minutes

Activity 2

1. 300 minutes = 5 hours
2. 540 minutes = 9 hours
3. 600 minutes = 10 hours
4. 330 minutes = 5 hours and 30 minutes
5. 190 minutes = 3 hours and 10 minutes

How many seconds are in a minute? 60

How many minutes are in an hour? 60

How many hours are in a day? 24

How many days are in a week? 7

How many weeks are in a year? 52

How many months are in a year? 12

How many days are in a year? 365

Lesson 2

Warm-up

Using your learning from yesterday. Compare the two measures of time. Using the greater than, less than and equal to signs

	> < =	
e.g. 3 days	<	1 week
24 hours		1 day
130 minutes		1 hour
1 year		378 days
5 hours		360 minutes

Now write **two** of your own.

- Answer the questions on the activity sheet for today's lesson.
- Choose activity 1, 2 or 3. Remember to challenge yourself.

Convert the second, minutes and hours.

60 seconds = 1 minute

60 minutes = 1 hour.

(This should take approximately 20 minutes)

Lesson 3

Today we will be looking at reading and writing time on an analogue clock.

The key things to know:



O'Clock



Half Past



Quarter Past



Quarter To

For the next few days I would like you to create a **'time diary'**.

This will tell you when you do different activities throughout the day.
You will need to tell the time regularly to do this.

For example:

Wednesday 22nd April

Half past 8- I woke up

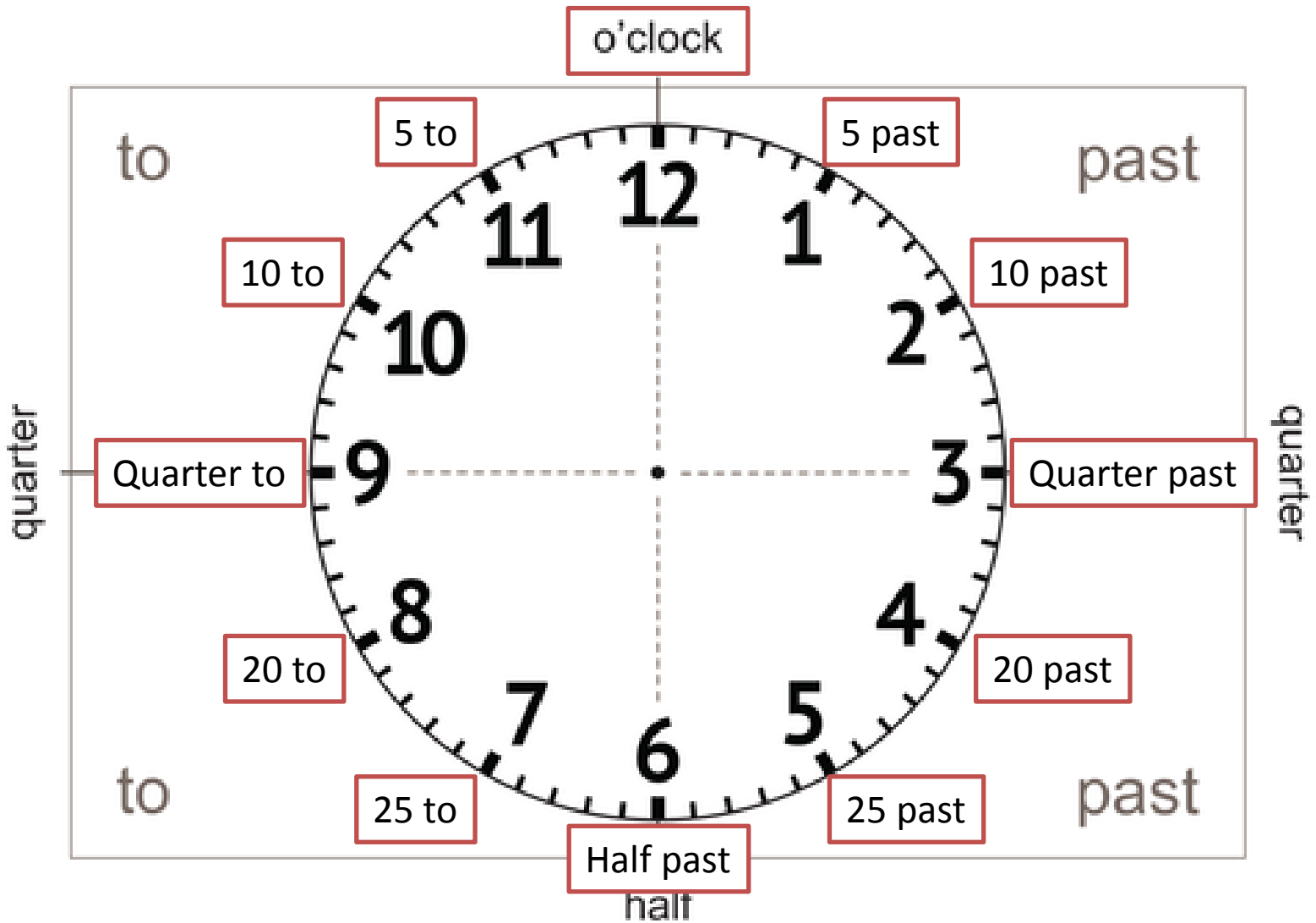
9 O'clock- I ate breakfast.

Quarter past 9- I brushed my teeth and got dressed, ready for the day.

25 minutes past 9- I started Maths.

Challenge: You can start thinking about how long you took to do each activity by writing down when you finished it.

e.g. I took 10 minutes to brush my teeth and get changed.



Complete one the worksheets on Antelopes class page to tell the time for O'clock, half past, quarter past and quarter to.

1,2 or 3

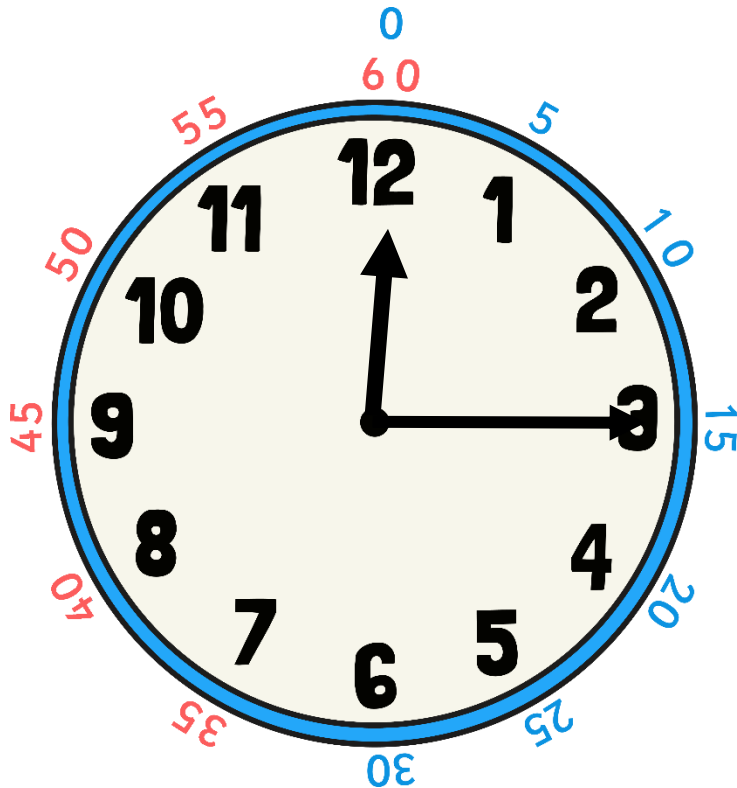
Number 3 activity – label and draw the clock hands for the following times:

Half past 4	Quarter past 1	8 O'Clock	Quarter to 10
7:30	3:00	9: 15	4:45
5 minutes past 3	20 minutes past 4	10 minutes to 2	5 minutes past 3
25 minutes to 11	10 minutes past 8	18 minutes past 1	3 minutes to 12

(This should take 10-15 minutes)

Lesson 4

Converting from Analogue to Digital



Do the clocks show the same time?

What is the same about the clocks?

What is different?

Digital Clocks



Digital clocks have an hour and minute display, separated by a colon.

The hours will always be before the colon.

The minutes will always be after the colon.

Digital Display

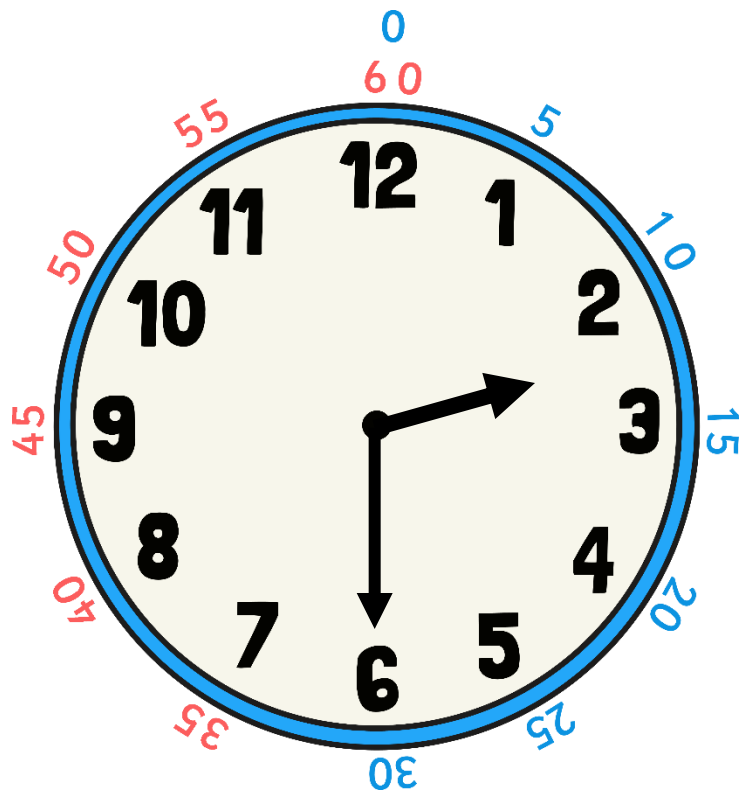


Do these 2 clocks show the same time?

What is different about them?

The hour may show just one digit but the minutes will always show 2 digits.

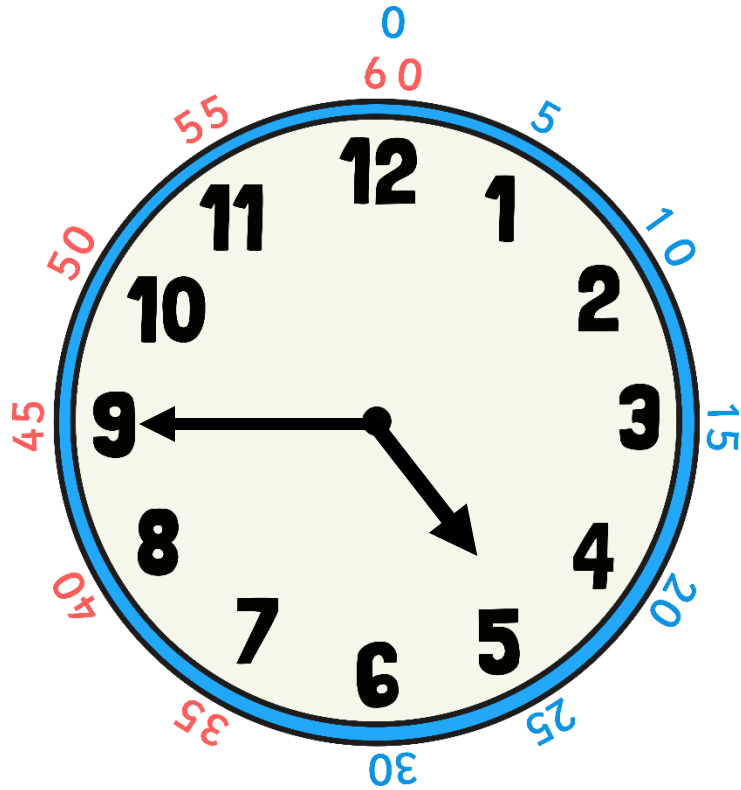
Converting to Digital Time



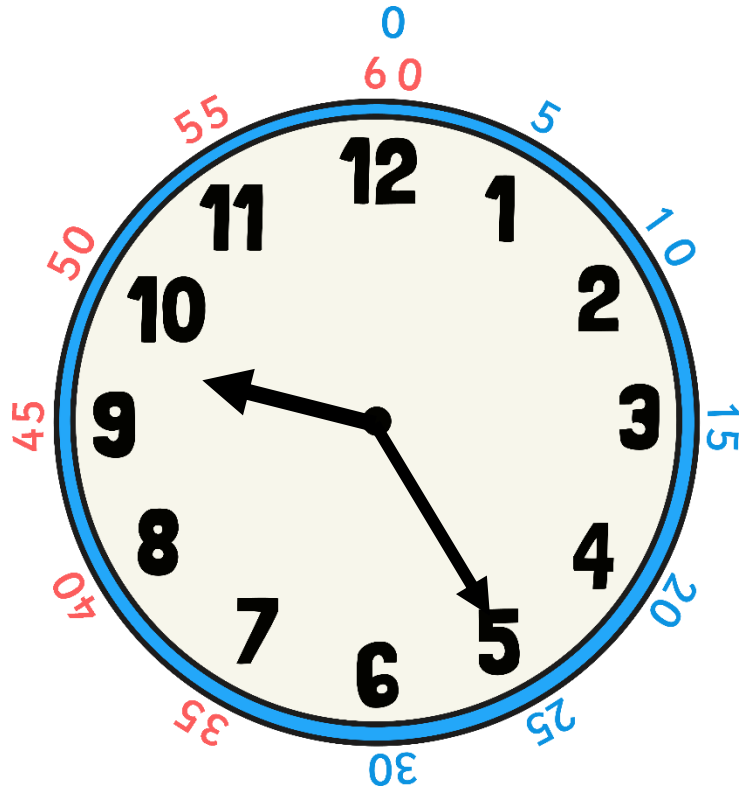
Put in the same hour as on the clock.

Count round the minutes in 5s.

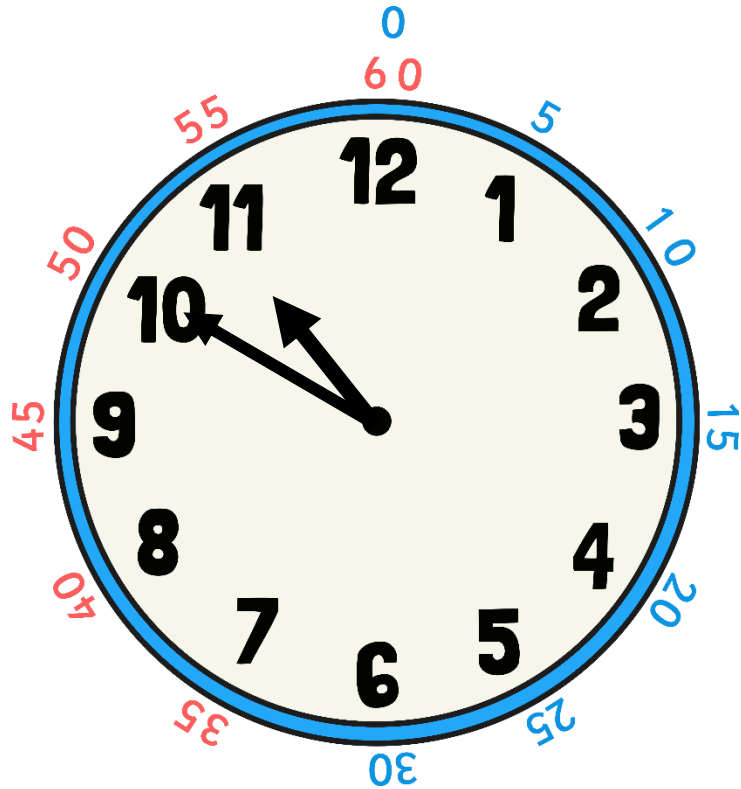
Try This One



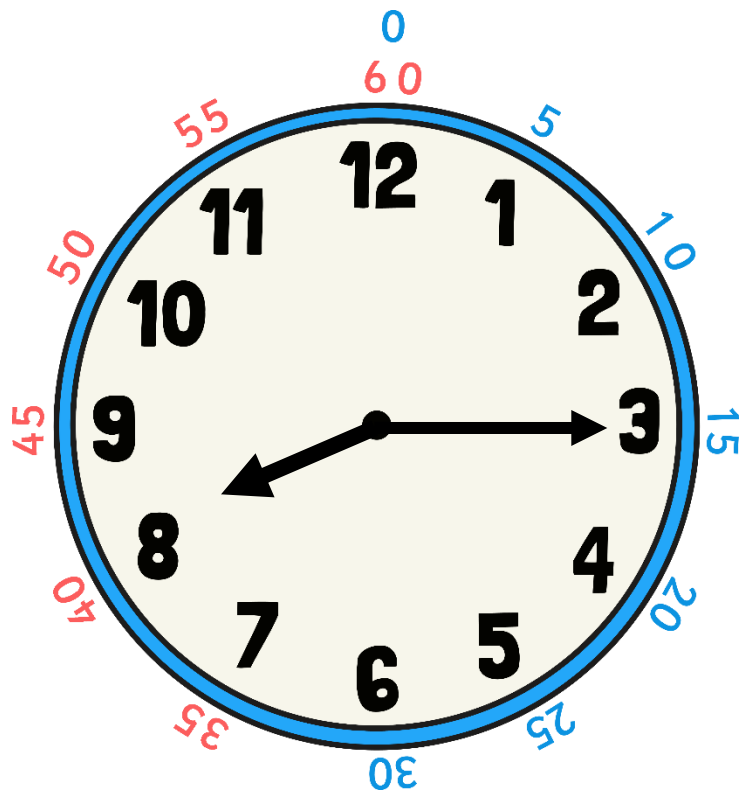
What About This One?



Feeling Confident?



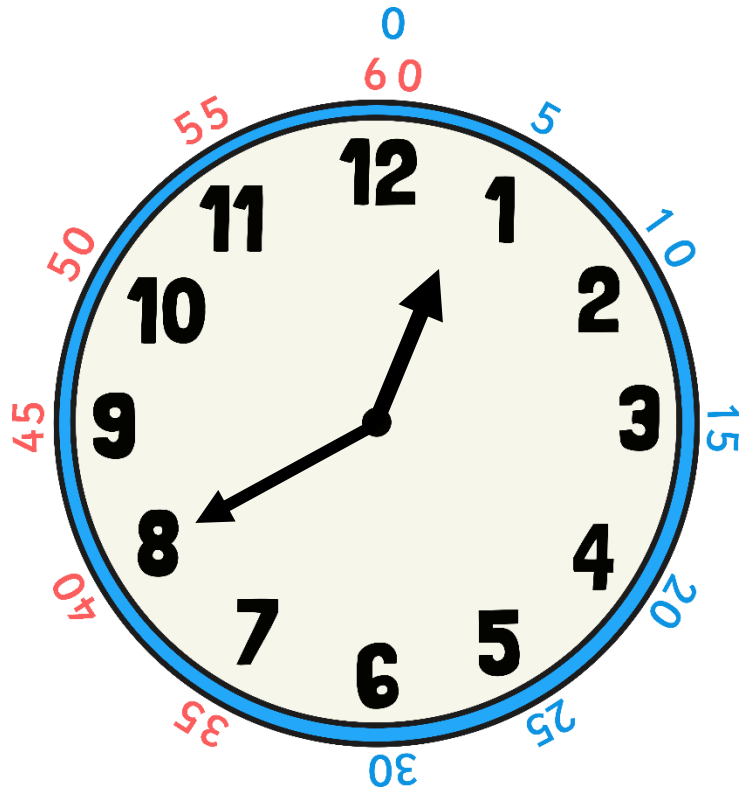
Converting to Analogue Time



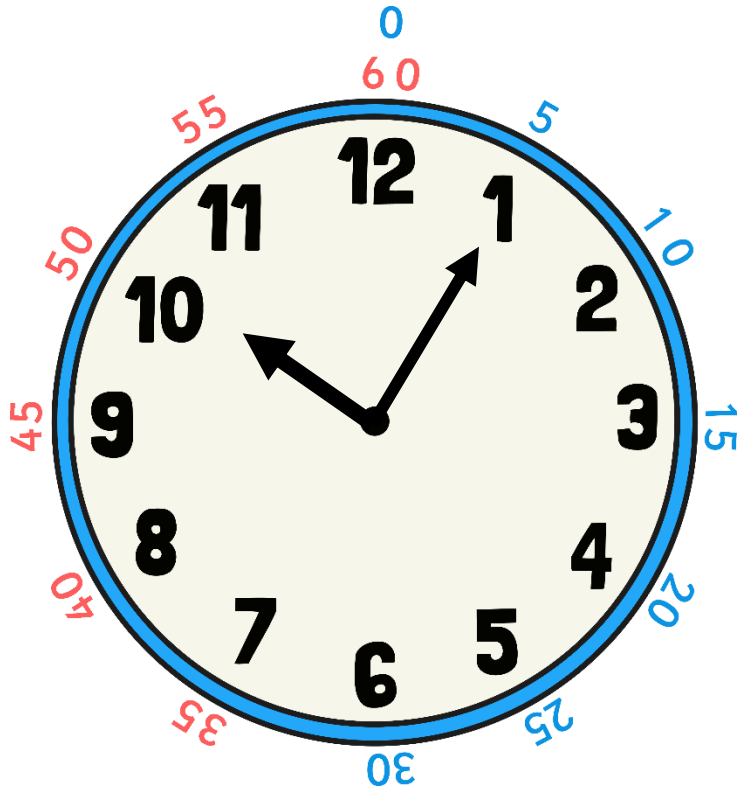
Put in the same hour as on the clock.

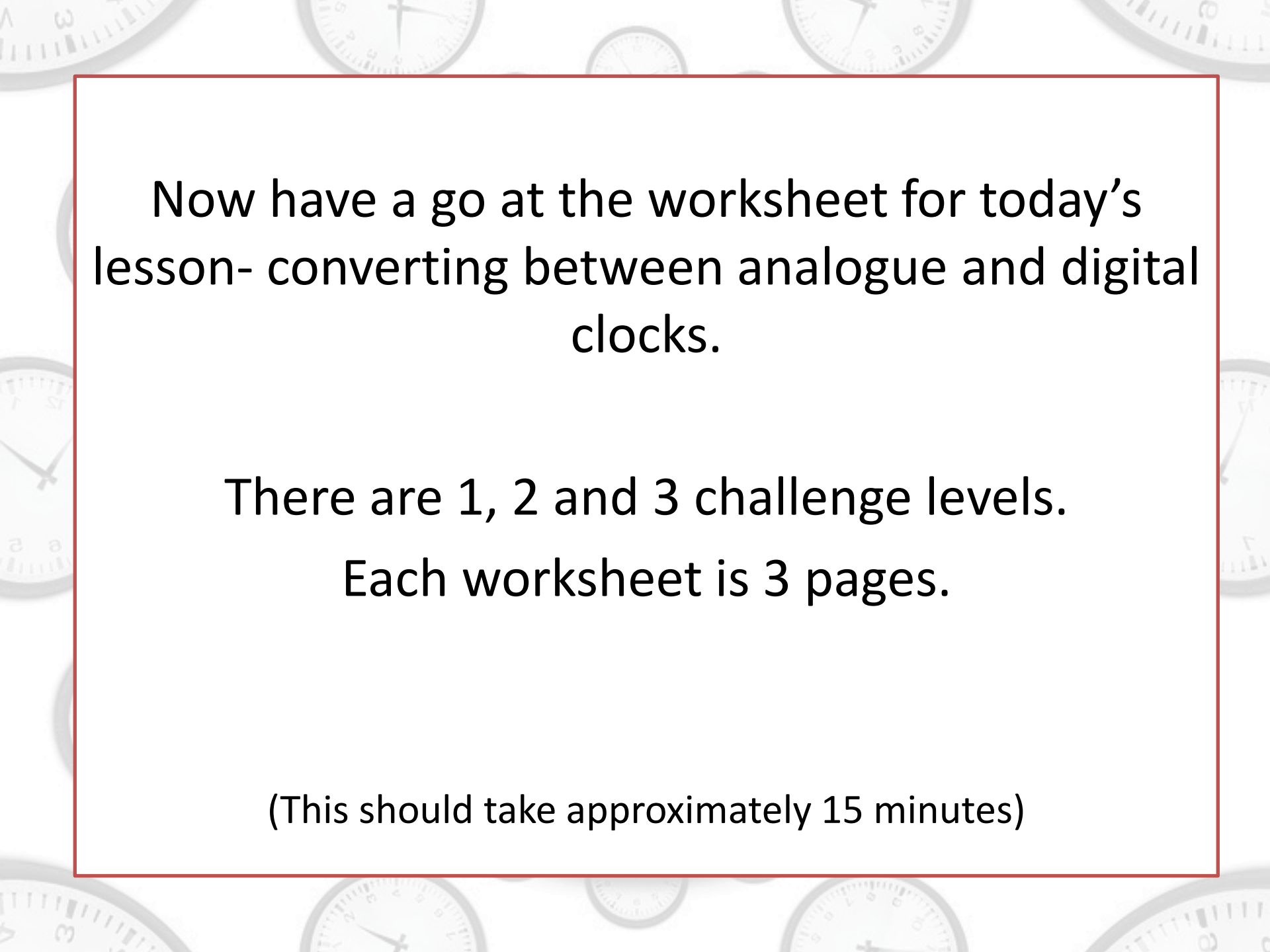
Count round the minutes in 5s.

Try This One



Try This One





Now have a go at the worksheet for today's lesson- converting between analogue and digital clocks.

There are 1, 2 and 3 challenge levels.
Each worksheet is 3 pages.

(This should take approximately 15 minutes)

Lesson 5

Complete the time activity on Professor
assessor.

Remember your 'time diary'.