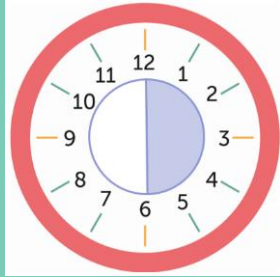


Fractions of time

WORKED EXAMPLE

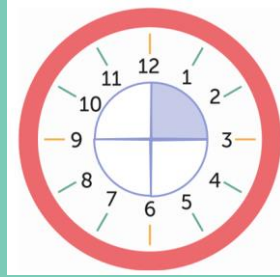
Fractions can be seen in the context of time.



1 out of 2 equal parts shaded.

$$\frac{1}{2} \text{ hour}$$

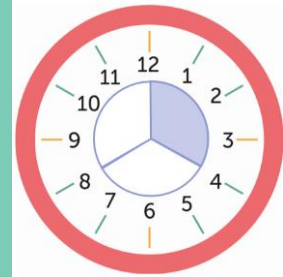
30 minutes



1 out of 4 equal parts shaded.

$$\frac{1}{4} \text{ hour}$$

15 minutes



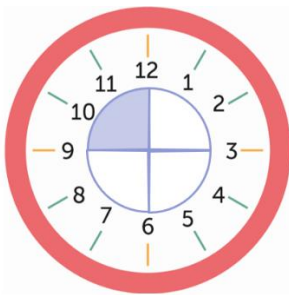
1 out of 3 equal parts shaded.

$$\frac{1}{3} \text{ hour}$$

20 minutes

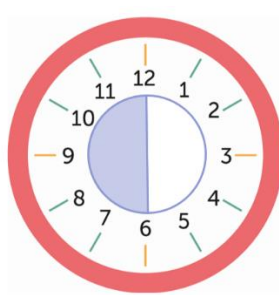
REHEARSE

What fraction of the clock is shaded and how many minutes is that?



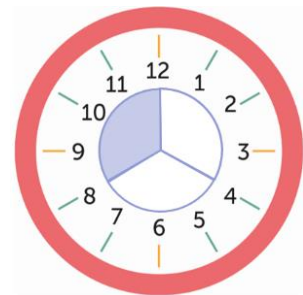
_____ hour

_____ minutes



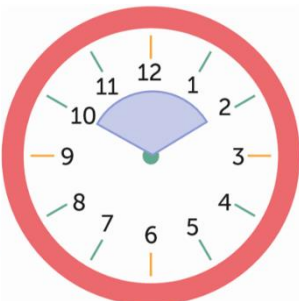
_____ hour

_____ minutes



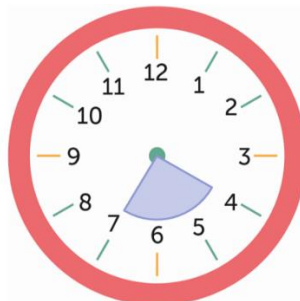
_____ hour

_____ minutes



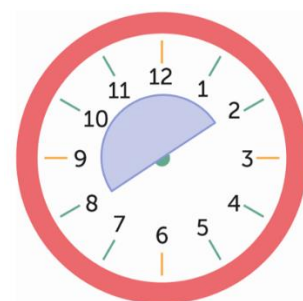
_____ hour

_____ minutes



_____ hour

_____ minutes

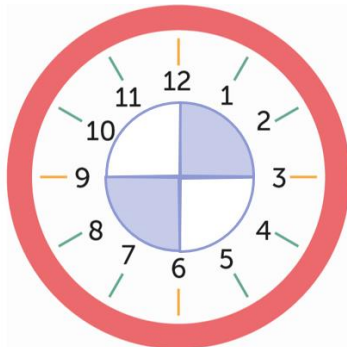


_____ hour

_____ minutes

APPLY AND EXPLORE

How could you describe the shaded section of the clock?
Can you use all the words in the list?



quarter
third
half
whole
hour
minutes
fraction

REHEARSE

Complete the table to show the start and end times and duration.

Start	End	Duration (Length of time)
half past 10 		 _____ hour _____ minutes
		 _____ hour _____ minutes
		 _____ hour _____ minutes

RETRIEVE

Can I still use a range of subtraction strategies?

$100 - 1 =$

$18 - 4 =$

$31 - 10 =$

$59 - 30 =$

$63 - 29 =$

APPLY AND EXPLORE

Use what you know about fractions of time to work out the following problems.

Put these times in order (shortest to longest):

$\frac{1}{2}$ hour

50 minutes

quarter of an hour

40 minutes

$\frac{3}{4}$ hour

Book club lasts for 20 minutes.

What fraction of an hour is this?

If it starts at half past 12, what time does it finish?

Mary walked for $\frac{3}{4}$ of an hour each day for 3 days.

In total, did she walk for more than 2 hours?

How do you know?



Cupcakes take 15 minutes to bake.

How many sets of cupcakes can be baked in $1\frac{1}{2}$ hours?

How could you prove it?



What is the time?

What time will it be in $\frac{1}{4}$ of an hour?