Converting hours to minutes
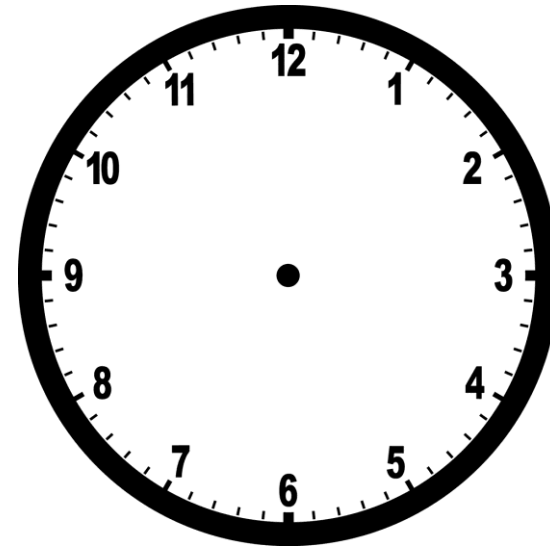
03/03/21

If this hexagon represents an hour...

How many of each 'unit' is in 1 hour?

There are three groups of 20 minutes, two groups of 30 minutes and six groups of 10 minutes in one hour.

How many groups of 5 minutes are there in 60 minutes?

12 because 5minutes x 12 = 60minutes

How many minutes?

3 hours = how many minutes?
What was the calculation you used?

We could do 60 + 60 + 60 = 180minutes

OR we could do 60 x 3 = 180minutes

OR we could do 6 x 3 = 18 and then 18 x 10 = 180

I know my base fact is 6 x 3 = 18

6 tens x 3 is 18 tens. 18 tens is 180 minutes

How many minutes?

There are 2 groups of 60 and a 30 and a 20

That's 170 minutes altogether!

Activity…Take your pick. If you don't have a printer, you can write the questions out instead.

Activity A

Have a go at converting the times on the clocks on the next slide.

For the first lot of clocks you need to write the time as it would be on a digital clock e.g. 2.30 and for the second lot, you need to draw on the hands.

Remember the BIG hand is the minutes and the small hand is the hours.
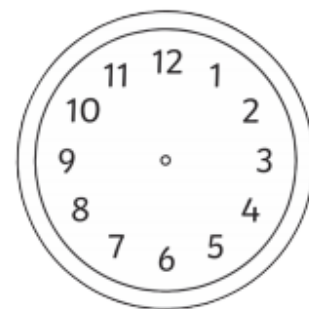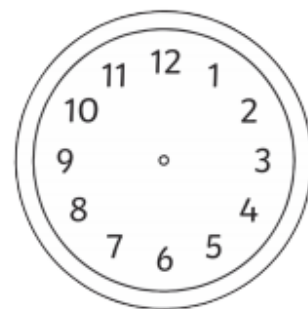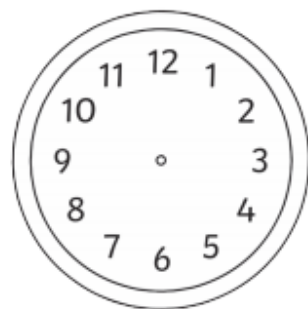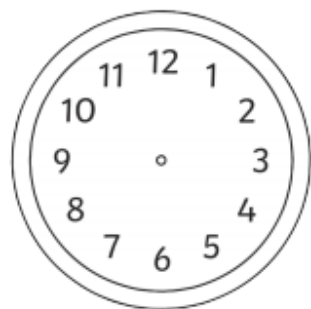
Activity B

Have a go at the questions below. You can draw the clocks or shapes to help you with your calculations.

1 A sleepy cat slept for four and a half hours. How many minutes did the cat sleep for?

2 Write the times in minutes:
5¾ hours, 2 hours 10 minutes, 3 hours 42 minutes.

3 Raj plays guitar for 2 hours and 27 minutes. How many minutes do they play the guitar for?

4 A film in the cinema runs for 2 hours and 20 minutes. How many minutes is this altogether?

5 Write the time in hours and minutes: 180minutes, 430 minutes and 69 minutes

1. What time is showing on these clock faces?

2. Draw the hands on the clock face to show the times shown on the digital clocks.

04:15	09:30	11:45	12:15

Challenge

Have a go at these!

How many minutes until the end of the year?

How many hours until Easter?