

MATHS AND MUSIC: COMPOSING WITH NUMBERS

When you reach a 😊 check your answers, and make sure you correct any you got wrong.



1. Clock arithmetic

Calculate what time the clock would show:

1. 10 hours later than 4 o'clock:
2. 25 hours later than 8 o'clock:
3. 45 hours later than 2 o'clock:

On a 12-clock:

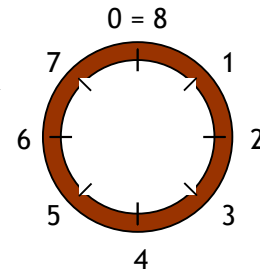
4. 23 o'clock =
5. 38 o'clock =
6. My rule for converting numbers to the 12-clock:

.....



2. 'Clock' arithmetic for music

In music, we have 8 notes in an octave, so we need to be able to do clock arithmetic with an 8-hour clock:



1. 7 hours later than 4 o'clock:
2. 14 hours later than 7 o'clock:
3. 45 hours later than 2 o'clock:

On an 8-clock:

4. 23 o'clock =
5. 27 o'clock =
6. My rule for converting numbers to the 8-clock:

.....



3. Number sequences

For each of these number sequences, write down the next four values, and then write down the rule and/or name of each:

- a. 1, 3, 5, __, __, __, __, ... Rule/Name:
- b. 2, 4, 6, __, __, __, __, ... Rule/Name:
- c. 1, 4, 9, 16, __, __, __, __, ... Rule/Name:
- d. 1, 3, 6, 10, __, __, __, __, ... Rule/Name:
- e. 1, 1, 2, 3, 5, __, __, __, __, ... Rule/Name:



