

# Maths 4U

## Second Grade

### Pages 14 - 17

#### Start

Tell ss that there will be a quick review before going over the next topics.

Explain to them that they will have to discover the concepts / words for the definitions on page 14 – remind them that they have been using the concepts / words needed to complete this activity in previous sessions.

#### **Working out the Take the challenge activity.**

Tell ss that they must read carefully to find key information, which can be used to work out the activity.

Ex

- **Every week**
- **10\$**
- **from each student**
- **etc.**

Walk ss through finding out what they have to do – remember, we must show them the way, but they are the ones who must take the next steps.

#### During

Tell ss to look at the boards / grids below – tell them to count the squares / boxes – just the outer ones, that way they will be able to get the final number without counting it all.

Tell ss that they now have to write the numbers the boards / grids show as words.

Explain to them that it is a good idea to think up strategies to work out math activities quickly.

Ex. Strategy / Tips

1. Remember that in this book, green boards represent 100, so...
  - the first green number is “one hundred”.
  - the second green number is “two hundred”.
  - the third green number is “one hundred”.
2. Remember that blue columns represent 10, so ...
  - the first blue number is “thirty”.
  - there is no second blue number.
  - the third blue number is “forty”.
3. Remember that yellow boxes / squares represent 1, so...
  - Etc.

Have a choral drill with the numbers, once they are complete.

Explain to ss that it is time for them to expand numbers – point out that they have just done that, but this time it will be done by using numbers and a specific ordering.

Write the following number on the board and then ask ss to help you expand – separate its elements.

- **147**
- **100 + 40 + 7**

Walk ss through working out the next two numbers – then invite some ss to do it on the board.

Once all the numbers have been expanded, have a choral drill, like so...

**100 plus 40 plus 7 is 147.**

#### End

Draw ss' attention to the numbers in the boxes – tell them that they must find the final / total numbers.

Remind them that they will just have to circle them.

**It is time for you to decide on the notes for ss to write.**

It could be the same numbers they worked on in the previous activity – they will have to write them as words.

You can let ss use colours to help them differentiate / identify the components.

Ex

**138**  
**One hundred** (and) **thirty eight**