

| ne 11 times-table. | |
|--|---|
| add together of each multiple I always get en number. | |
| umber | |
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Ron uses a bar model to represent 84 divided by 12

| 84 | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

- a) Explain Ron's mistake.
- b) Draw the correct bar model diagram to represent 84 divided by 12

Amir is making pictures using shapes.

Here is one picture.



Amir makes 12 pictures like this one.

- a) How many shapes does he use altogether? Show your working.
- b) If each picture is exactly the same, how many of each shape does Amir use?





- Mr Scott is organising a cricket tournament. a) There are 11 players in a cricket team. 5 teams have signed up for the tournament. How many players have signed up?
- b) Mr Scott needs 132 players signed up to go ahead with the tournament.

How many more teams are needed?

more teams are needed.

Dexter has been looking at the 12 times-table. of 12 together.



a) Dexter thinks the next number in the pattern will be 15

Is he correct?

Explain your answer.

b) What happens when he tries this for all the multiples of 12 up to 12 × 12?

Is there a pattern?

He notices something when he adds the digits of the multiples

1 + 2 = 32 + 4 = 63 + 6 = 94 + 8 = 12



