Maths Reasoning

Teddy answers the question 44 ÷ 4 using place value counters.

Tens	Ones
10 10	1 1
10 10	1 1

Is he correct?
Explain your reasoning.

Dora thinks that 88 sweets can be shared equally between eight people.

Is she correct?

Alex uses place value counters to help her calculate 63 ÷ 3

10 10 1
10 10 1
10 10 1

Tens	Ones
10	10 1
10	10 1
10	10 1

She gets an answer of 12
Is she correct?

Answers

Teddy answers the question 44 ÷ 4 using place value counters.

Tens	Ones
10 10	1 1
10 10	1 1

Is he correct?
Explain your reasoning.

Teddy is incorrect. He has divided 44 by 2 instead of by 4

Dora thinks that 88 sweets can be shared equally between eight people.

Is she correct?

Dora is correct because 88 divided by 8 is equal to 11

T	O
10	1
10	1
10	1
10	1
10	1
10	1
10	1
10	1

Alex uses place value counters to help her calculate 63 ÷ 3
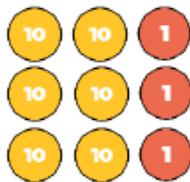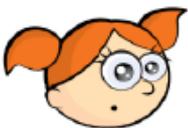
10 10 1
10 10 1
10 10 1

Tens	Ones
10	10 1
10	10 1
10	10 1

She gets an answer of 12
Is she correct?

Alex is incorrect because she has not placed counters in the correct columns.

It should look like this:

Tens	Ones
10 10	1
10 10	1
10 10	1

The correct answer is 21