Multiply by 4

Match the equal statements below.

4 x 4	4 4 4 4 4	3 x 2 x 2	12
4 x 5	4 4 4 4	5 x 2 x 2	16
3 x 4	4 4 4	4 x 2 x 2	20

Which representation is the odd one out?

A.

4   4   4   4   4   4   4

B.

4	4	4	4	4	4	4	4

C.

7 lots of 4
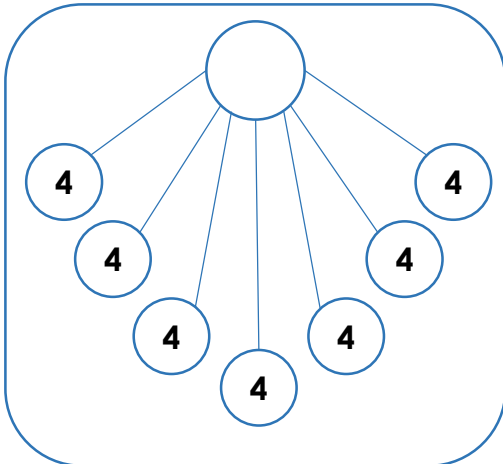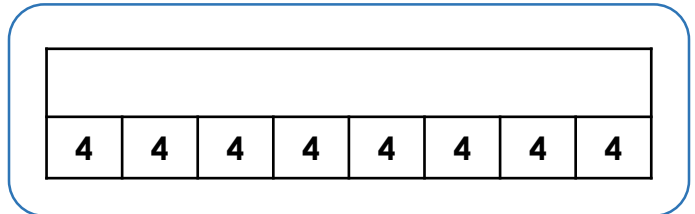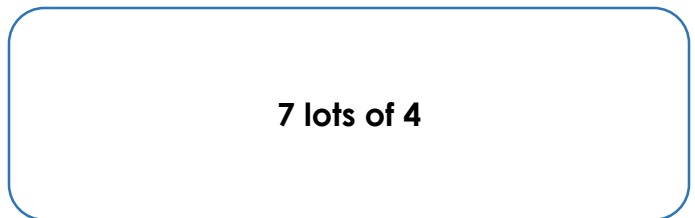
Alice and Frank are discussing ways to complete the calculation below.

11 x 4 = ?

11	11	11	11

Frank: To solve this calculation I can do 11 x 2 and then double it.

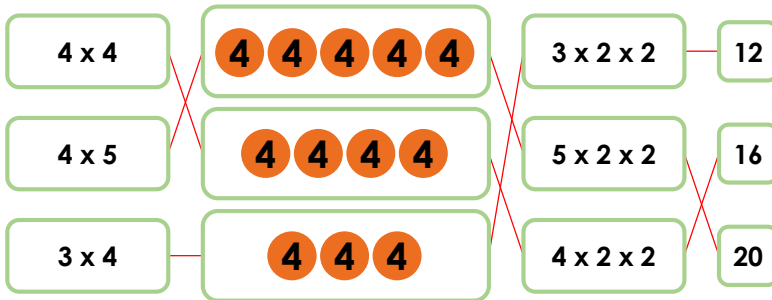**Alice:** To solve this calculation I can do 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4

Who is correct? Convince me.

Expected

4.

4 x 4	4 4 4 4 4	3 x 2 x 2	12
4 x 5	4 4 4 4	5 x 2 x 2	16
3 x 4	4 4 4	4 x 2 x 2	20

5. B

6. Both Alice and Frank are correct because 11 x 4, 11 x 2 doubled and 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 all equal 44.

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