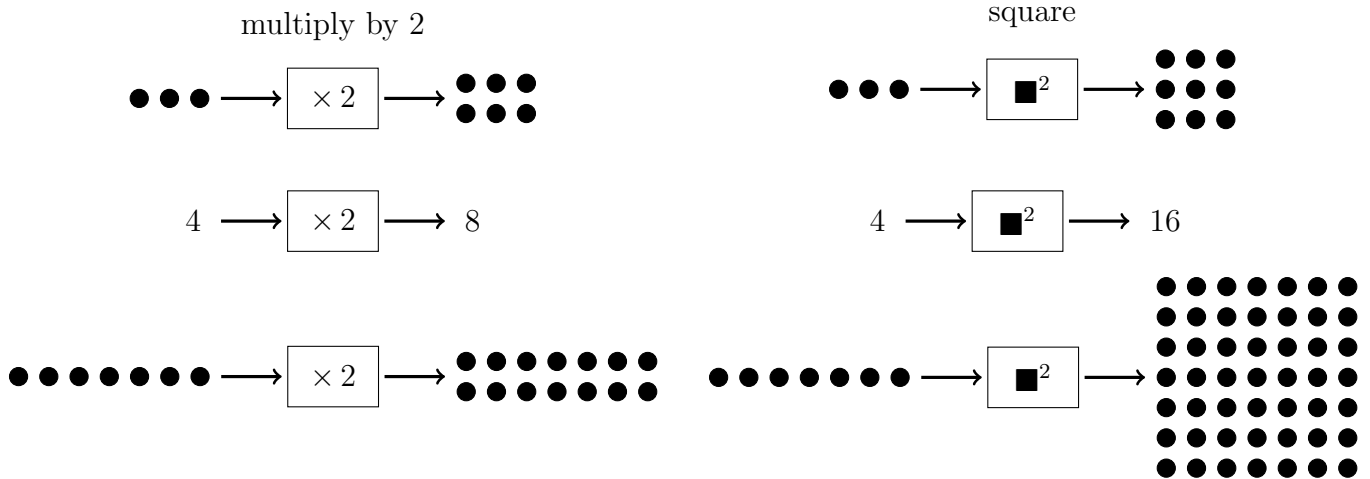


Look closely at the difference between a multiply by 2 machine and a square machine.



Learn two “facts” to help you remember the difference between multiply by 2 and square

e.g.  $10 \times 2 = 20$       and       $10^2 = 10 \times 10 = 100$

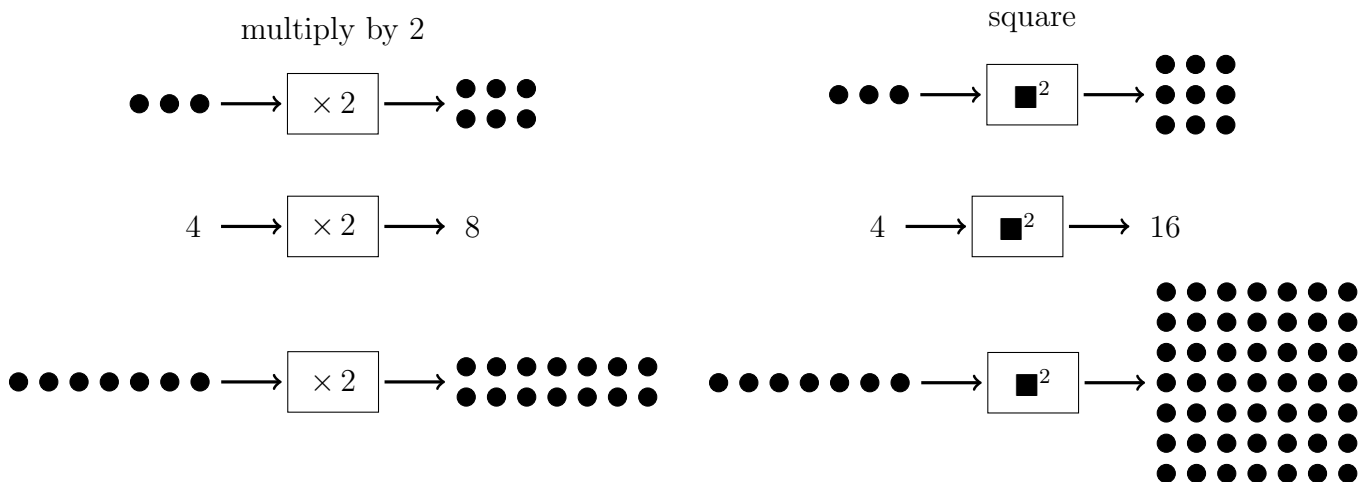
1. Complete the following (use the examples above if it helps you)

- (a)  $10 \times 2 = \dots$       (b)  $3^2 = \dots$       (c)  $7^2 = \dots$       (d)  $4 \times 2 = \dots$   
 (e)  $4^2 = \dots$       (f)  $7 \times 2 = \dots$       (g)  $3 \times 2 = \dots$       (h)  $10^2 = \dots$

B<sup>i</sup>DMAS (1) 1) (a) 20 (b) 9 (c) 49 (d) 8 (e) 16 (f) 14 (g) 6 (h) 100

2) No, Beau has worked out  $5 \times 2$  not  $5 \times 5$  3) 100 4) Yes, Ffion worked out  $8 \times 8 = 8^2$ , 5) 25

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2. Beau says that the value of  $5^2$  is 10

Is Beau right?

You must give a reason for your answer.

.....  
.....

3. Write down the value of  $10^2$

3. ....

4. Ffion says that the value of  $8^2$  is 64

Is Ffion right?

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