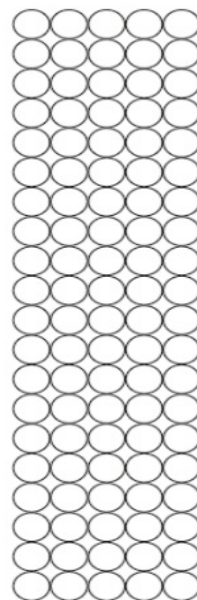


Gold: Use the array sheet.

- What is 19×5 ? Can you use rounding to estimate the answer?
- Will the exact answer be more or less than 100?
- How much less?
- Now look at your array 20×5 . How many dots there are?
- How many dots would there be if there were only 19 rows?
- How many fewer dots.
- How many dots would be in 30 rows of 3? and in 29 rows of 3?
- Multiply 19 by 3, 4, 5 and 8 in turn (by multiplying by 20 and then adjusting).
- Extend to multiplying 29 by 3, 4, 5 and 8 in turn.
- Do not use the grid method to work these out.
- Explain how you worked out your answers.
- Extra challenge:
- Can you multiply 39 by 3, 4, 5 or 8? What is 39×8 ?

Gold Array of 20×5



Bronze

Revison Sheet 638

Multiplying by 3, 4, 5 and 8 (1)

Match the calculation to the answer. Use rounding to estimate, then check using the grid method.

3×24	248
5×13	280
8×35	72
4×62	152
3×51	325
8×19	188
4×47	65
5×65	153

Silver

Revison Sheet 639

Multiplying by 3, 4, 5 and 8 (2)

Match the calculation to the answer. Use rounding to estimate, then check using the grid method.

3×21	100
5×15	152
8×32	96
4×25	45
3×51	325
8×12	256
4×38	63
5×65	153

Silver/ Bronze

First you use rounding to estimate, then use the grid method to work out the actual answers and draw lines to join up each question with its answer. Compare the estimates to the actual answers. How close were the estimates?