## Number Bk 3 Levels 3-4

## You need $\boxed{\square}$ a classmate

The 11 times table is so cool. I know mine up to 9 , straight off.

## Activity

黄 1.3 Giulio and Aimee are investigating number patterns. They talk about the 11 times table.
a. What do you think Giulio does to get his answers?
b. Aimee made a table up to 31 like the one below. Complete the table.
c. What do you think Aimee does to get her answers after $9 \times 11$ ?

I know an easy way to get ones like
$20 \times 11$ and $30 \times 11$.

| Number to <br> multiply by 11 | Product |
| :---: | :---: |
| 10 | 110 |
| 11 | 121 |
| $\vdots$ | $\vdots$ |
| 30 | 330 |
| 31 | 341 |



So if I work out how many 4 s in 40 , that'll give me the numbe of hundreds. $40 \div 4=10$, so $40 \times 25=10$ hundreds.
That's 1000 . I'm really dividing by 4 and multiplying by 100 .


Giulio doubles 125 until he comes to 1000 .
He finds there are 8 lots of 125 in 1000 .
So $16 \times 125=2000$ because $16 \div 8$ is 2 and that gives the number of thousands.

Use Giulio's method to complete these equations:
a. $24 \times 125=$
b. $80 \times 125=$
c. $44 \times 125=$
d. $97 \times 125=$
e. $168 \times 125=$
f. $346 \times 125=$


