

Trying Times

You need a classmate

place value blocks (optional)

Activity

Mr Materi challenged the children in his class to work out the 15 times table.

Some students worked out their answers like this:



I know that 15 is $10 + 5$, so I used my 10 times and 5 times tables.

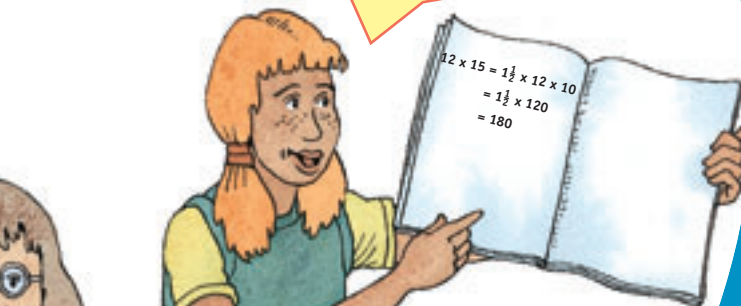
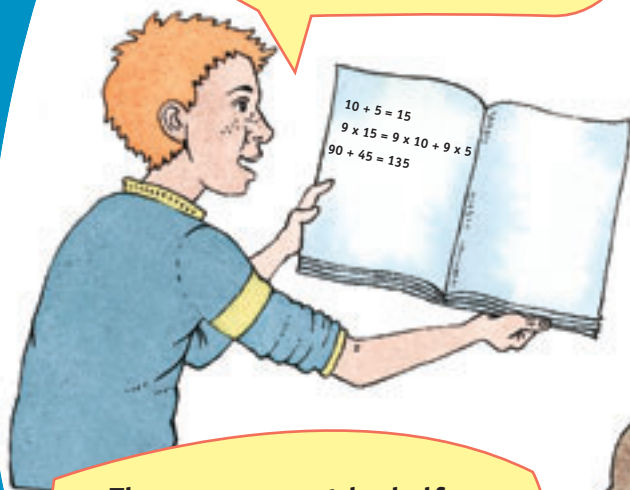
9×15 is $9 \times 10 + 9 \times 5$.

That's $90 + 45 = 135$.

I used the same idea, but I went $1\frac{1}{2}$ times the answer to the 10 times table.

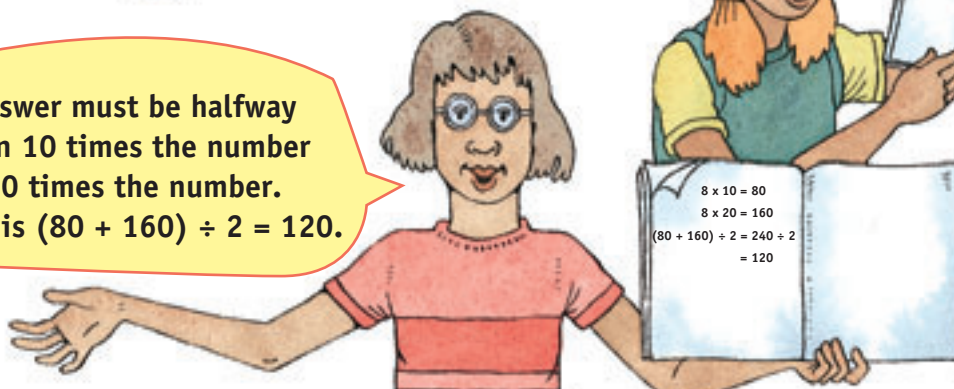
So 12×15 is $1\frac{1}{2}$ of 12×10 .

That's $1\frac{1}{2}$ of 120, which is $120 + 60 = 180$.



The answer must be halfway between 10 times the number and 20 times the number.

So 8×15 is $(80 + 160) \div 2 = 120$.



Use these methods to work out the answers to:

- a. 4×15 b. 7×15
c. 13×15 d. 15×15



Which method do you prefer? Discuss this with a classmate.



Are there other ways of working out the answers to the 15 times table? Discuss this with a classmate.