Use the ladder method to perform these multiplications.

1 337×6

2 779×4

3 987×8

4 776×8

5 669×3

6 889×6

7 888×8

8 836×6

9 379×8

Solve these problems using the same method.

10 Clive has 3 planks of wood. Each plank is 478 mm long. He puts them end-to-end. How long are they altogther?

11 There are 578 sheep in a field. How many legs?

12 Each box holds 256 paper clips. How many paper clips in 5 boxes?

13 During one week, a truck driver travels 367 km each weekday (Monday to Friday). How far does he travel altogether?

14 A machine makes 456 bottles in one minute. How many does it make in 8 minutes?

15 Lauren pays 6p per minute for phone calls. How much does she pay for 156 minutes?

THINK

Multiply 999 by 2, by 3 and by 4?
What do you notice about the answers?

Questions should be answered using ladder multiplication.

1. 2022
2. 3116
3. 7896
4. 6208
5. 2007
6. 5334
7. 7104
8. 5016
9. 3032
10. 1434 mm
11. 2312
12. 1280
13. 1835 km
14. 3648
15. 936p or £9·36

Think. As you increase the multiplier by one, the 1000s digit increases by one and the 1s digit decreases by one.