

	H	T	O
	1	5	6
×			3
	4	6	8
	1	1	

Short multiplication is one way to solve a multiplication problem.

First we use our mental strategies to estimate an easier problem:

$3 \times 150 = 450$ . The answer will be around 450.

We start with the ones.  $3 \times 6$  is 18 ones. We rename this as 1 ten and 8 ones.

We put 8 in the ones column and carry the 1 to the tens column.

$3 \times 5$  plus the carried 1 is 16 tens. We rename this as 1 hundred and 6 tens.

We put 6 in the tens column and carry the 1 to the hundreds column.

$3 \times 1$  plus the carried 1 is 4 hundreds. We put 4 in the hundreds column.

1.  $2654 \times 6 =$

2.  $7245 \times 7 =$

3.  $8739 \times 4 =$

4.  $1345 \times 8 =$

## RED HOT CHALLENGE

**Calculate your earnings in your summer job. Show all your working out:**

You can fill 145 punnets of strawberries in a morning's work. Afternoons are for swimming and washing off all that juice. You get paid 8p per punnet.

**a** How much would you earn each day?

**b** How much would you earn in a 5 day week?