

# MULTIPLY 4-DIGITS BY 1-DIGIT



**GET READY**



$$1) 20 + 20 + 20 + 20 =$$

$$2) 4 \times 20 =$$

$$3) 4 \times 200 =$$

$$4) 4 \times 400 =$$

$$1) 20 + 20 + 20 + 20 = 80$$

$$2) 4 \times 20 = 80$$

$$3) 4 \times 200 = 800$$

$$4) 4 \times 400 = 1,600$$

$$4 \times 200 \times 2$$

LET'S LEARN



Calculate  $3,223 \times 3$

Thousands	Hundreds	Tens	Ones
1000 1000 1000	100 100	10 10	1 1 1
1000 1000 1000	100 100	10 10	1 1 1
1000 1000 1000	100 100	10 10	1 1 1

×

Th	H	T	O
3	2	2	3
			3
9	6	6	9

9,669

There are 2,114 seats in a theatre. The theatre is fully booked for 3 shows. How many people attend overall?

$$2,114 \times 3$$

Thousands	Hundreds	Tens	Ones
1000 1000	100	10	1 1 1 1
1000 1000	100	10	1 1 1 1
1000 1000	100	10	1 1 1 1
		10	

×

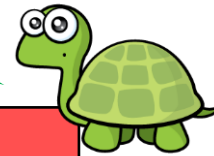
Th	H	T	O
2	1	1	4
			3
6	3	4	2
			1

6,342 people attend

Have a think



$$2,420 \times 4 = 968$$



Thousands	Hundreds	Tens	Ones
	100 100	10 10 10 10	1 1
	100 100	10 10 10 10	1 1
	100 100	10 10 10 10	1 1
	100 100	10 10 10 10	1 1

100

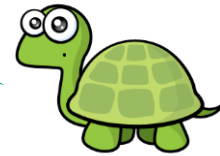


Have a think





$$2,420 \times 4 = 968$$



Thousands	Hundreds	Tens	Ones
	100 100	10 10 10 10	1 1
	100 100	10 10 10 10	1 1
	100 100	10 10 10 10	1 1
	100 100	10 10 10 10	1 1

×

Th	H	T	O
	2	4	2
			4
	9	6	8

1

100



$$2,420 \times 4 = 9680$$



Thousands	Hundreds	Tens	Ones
1000 1000	100 100 100 100	10 10	
1000 1000	100 100 100 100	10 10	
1000 1000	100 100 100 100	10 10	
1000 1000	100 100 100 100	10 10	

×

Th	H	T	O
2	4	2	0
			4
9	6	8	0

1

$$2,420 \times 4 = 9,680$$



**YOUR TURN**

Have a go at questions  
1 - 4 on the worksheet

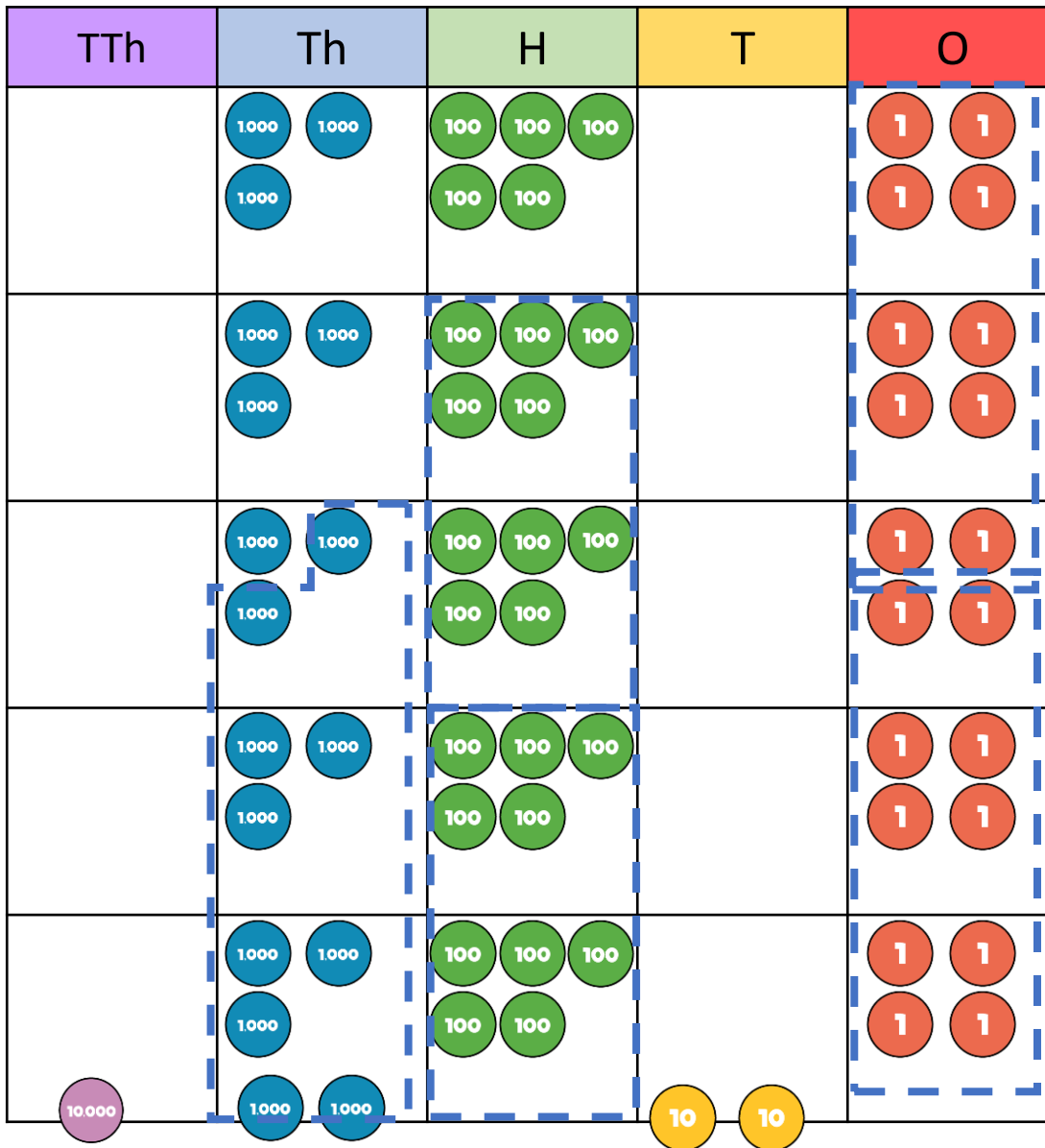


TTh	Th	H	T	O
	1000 1000 1000	100 100 100 100 100		1 1 1 1
	1000 1000 1000	100 100 100 100 100		1 1 1 1
	1000 1000 1000	100 100 100 100 100		1 1 1 1
	1000 1000 1000	100 100 100 100 100		1 1 1 1
	1000 1000 1000	100 100 100 100 100		1 1 1 1

$$3,504 \times 5$$

$$3,000 \times 5$$

TTh	Th	H	T	O
	3	5	0	4
				5

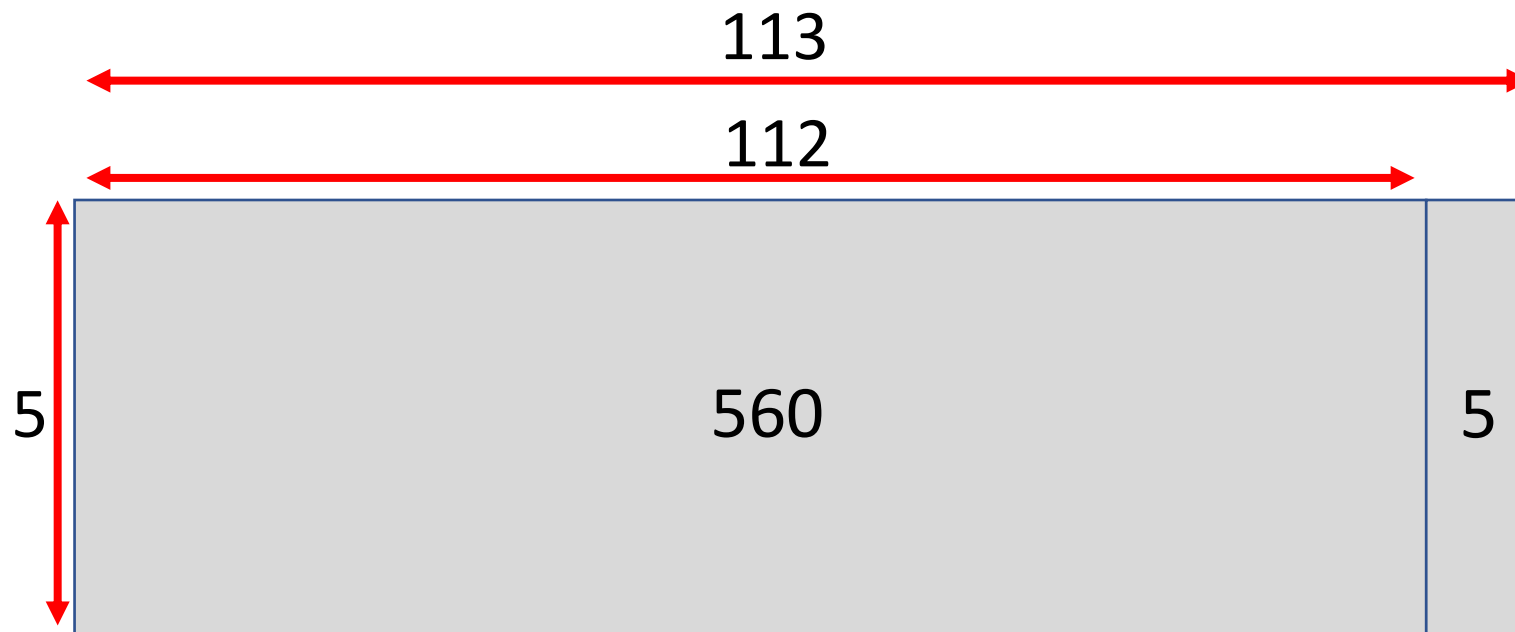


$$3,504 \times 5$$

$$= 17,520$$

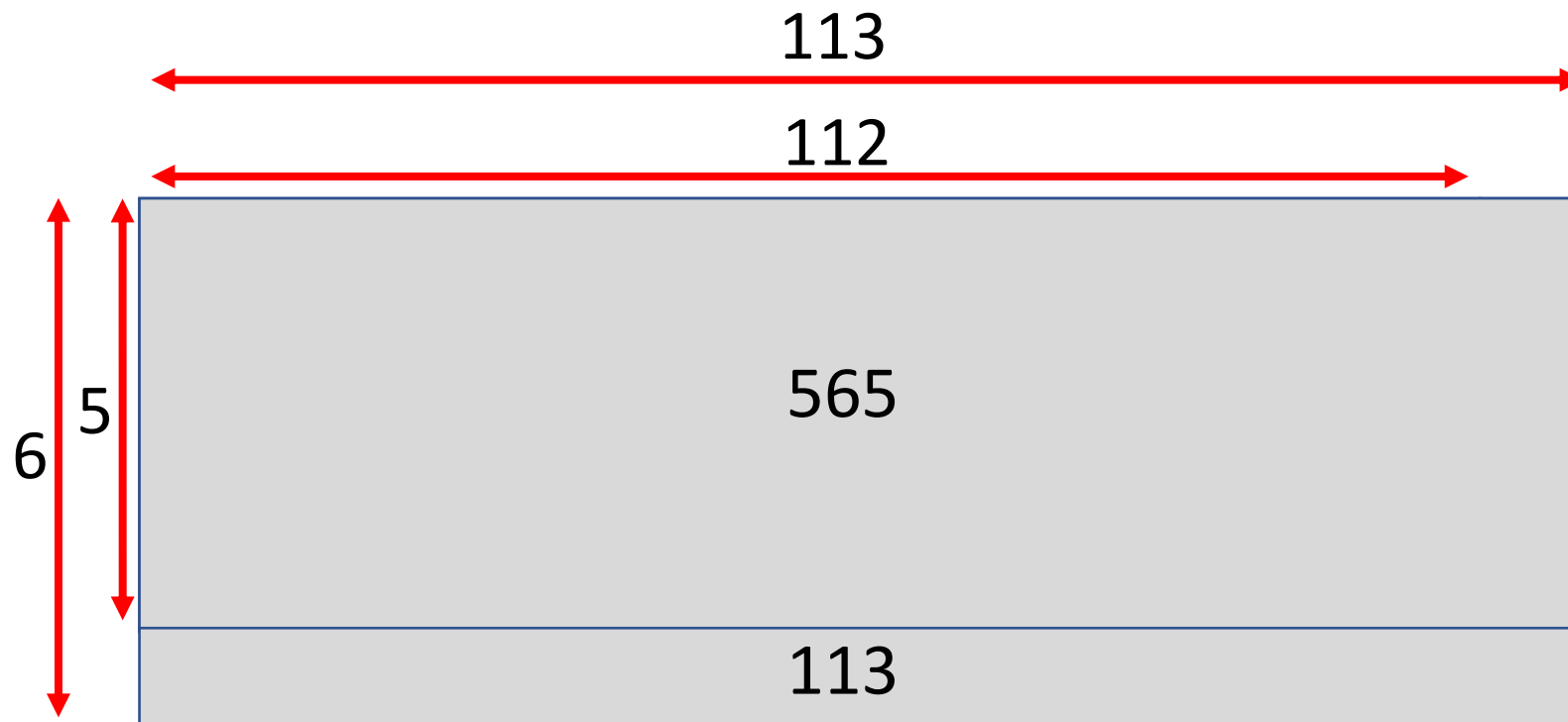
TTh	Th	H	T	O
	3	5	0	4
				5
1	7	5	2	0
1	2		2	

If I know  $112 \times 5 = 560$   
How can I work out  $113 \times 5$ ?



$$113 \times 5 = 112 \times 5 + 5 = 565$$

If I know  $112 \times 5 = 560$   
How can I work out  $113 \times 6$ ?



$$113 \times 5 = 112 \times 5 + 5 = 565$$

$$113 \times 6 = 113 \times 5 + 113 = 678$$

**YOUR TURN**

Have a go at questions at  
the rest of the worksheet

