# Maths Homework
# Year 3 and 4

# Year 3

## Multiply a 2-digit number by a 1-digit number – with exchange

**1** There are 23 marbles in a jar.

There are 5 jars.


| Tens | Ones |
|---|---|
| | |
| | |
| | |
| | |
| | |

Use the base 10 to help you complete the sentences to work out how many marbles there are in total.

5 × 3 ones = ☐

5 × 2 tens = ☐

☐ + ☐ = ☐

5 × 23 = ☐

There are ☐ marbles in total.

**2** Work out 4 × 15

| Tens | Ones |
|---|---|
| 10 | 1 1 1 1 1 |
| 10 | 1 1 1 1 1 |
| 10 | 1 1 1 1 1 |
| 10 | 1 1 1 1 1 |

4 × 5 = ☐

4 × 10 = ☐

☐ + ☐ = ☐

4 × 15 = ☐

**3** Complete the sentences to work out the multiplications.

**a)**

| Tens | Ones |
|---|---|
| 10 10 | 1 1 1 1 |
| 10 10 | 1 1 1 1 |
| 10 10 | 1 1 1 1 |

3 × ☐ = ☐

3 × ☐ = ☐

☐ + ☐ = ☐

3 × 24 = ☐

**b)**

| Tens | Ones |
|---|---|
| 10 10 10 | 1 1 1 1 1 |
| 10 10 10 | 1 1 1 1 1 |
| 10 10 10 | 1 1 1 1 1 |
| 10 10 10 | 1 1 1 1 1 |

☐ × ☐ = ☐

☐ × ☐ = ☐

☐ + ☐ = ☐

35 × 4 = ☐

Year 3&4

# Multiply 2-Digits by 1-Digit

To multiply a 2-digit number by a 1-digit number using a formal written method.

1) Complete the multiplication calculations. Use the place value charts to help you.

a) 14 × 2 = ☐

| Tens | Ones |
|---|---|
| 10 | 1 1 1 1 |
| 10 | 1 1 1 1 |

| | T | O |
|---|---|---|
| | | |
| × | | |
| | | |

b) 21 × 3 = ☐

| Tens | Ones |
|---|---|
| 10 10 | 1 |
| 10 10 | 1 |
| 10 10 | 1 |

| | T | O |
|---|---|---|
| | | |
| × | | |
| | | |

c) 32 × 3 = ☐

| Tens | Ones |
|---|---|
| 10 10 10 | 1 1 |
| 10 10 10 | 1 1 |
| 10 10 10 | 1 1 |

| | T | O |
|---|---|---|
| | | |
| × | | |
| | | |

d) 22 × 4 = ☐

| Tens | Ones |
|---|---|
| 10 10 | 1 1 |
| 10 10 | 1 1 |
| 10 10 | 1 1 |
| 10 10 | 1 1 |

| | T | O |
|---|---|---|
| | | |
| × | | |
| | | |

# Year 4

## Divide by 100

**1** Use the ten frame and place value counters to complete the sentences.


There are ☐ hundreds in 1,000

1,000 = ☐ hundreds

1,000 ÷ 100 = ☐

**2** There are 400 pins altogether.

The pins are packed in jars of 100

How many jars are there?


☐

**3** Complete the divisions.

**a)** 700 ÷ 100 = ☐

**b)** 800 ÷ 100 = ☐

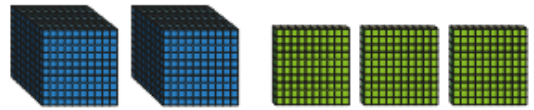
**c)** 200 ÷ 100 = ☐

**d)** 7,000 ÷ 100 = ☐

**e)** 8,000 ÷ 100 = ☐

**f)** ☐ = 2,000 ÷ 100

**4** Amir is using base 10 to work out 2,300 ÷ 100



**a)**

I am going to exchange my thousands for hundreds.

Why is Amir going to do this?

**b)** Complete the sentences.

2,300 = 2 thousands + ☐ hundreds

1 thousand = ☐ hundreds

2 thousands = ☐ hundreds

Amir has ☐ hundreds altogether.

2,300 ÷ 100 = ☐

**5** **a)** Make 3,700 using base 10

**b)** Use your base 10 to complete the sentences.

3,700 = 3 thousands + ☐ hundreds

3 thousands = ☐ hundreds

There are ☐ hundreds altogether.

3,700 ÷ 100 = ☐

# Maths Flip

Please watch the video for your class. You will be asked questions on the topic in the upcoming lessons.

**Year 3:** Scaling: Y3 Spring Block 1 TS10 Scaling on Vimeo

**Year 4:** Correspondence Problems: Y4 Spring Block 1 TS14 Correspondence problems on Vimeo