

# Varied Fluency

## Step 2: Multiply 4-digits by 2-digits

### National Curriculum Objectives:

Mathematics Year 6: (6C7a) [Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication](#)

Mathematics Year 6: (6C8) [Solve problems involving addition, subtraction, multiplication and division](#)

### Differentiation:

**Developing** Questions to support multiplying 3-digits by 2-digits; up to 99.

**Expected** Questions to support multiplying 4-digits by 2-digits; up to 99.

**Greater Depth** Questions to support multiplying 5-digits by 2-digits; up to 99.

[More resources](#) which follow the same small steps as White Rose.

Did you like this resource? Don't forget to [review](#) it on our website.

# Varied Fluency – Multiply 4-digits by 2-digits

1a. Solve the calculation using column multiplication.

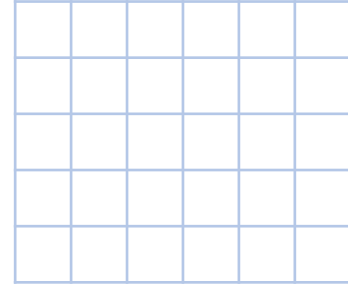
$$53 \times 516 =$$



VF

1b. Solve the calculation using column multiplication.

$$36 \times 709 =$$



VF

2a. True or false?

$$947 \times 52 = 52 \times 947$$



VF

2b. True or false?

$$328 \times 84 = 656 \times 42$$



VF

3a. Add  $>$ ,  $<$  or  $=$  to make these statements correct.

$$715 \times 29 \quad \bigcirc \quad 389 \times 83$$

$$25,612 + 4,825 \quad \bigcirc \quad 672 \times 45$$

$$824 \times 28 \quad \bigcirc \quad 412 \times 56$$



VF

3b. Add  $>$ ,  $<$  or  $=$  to make these statements correct.

$$683 \times 29 \quad \bigcirc \quad 527 \times 34$$

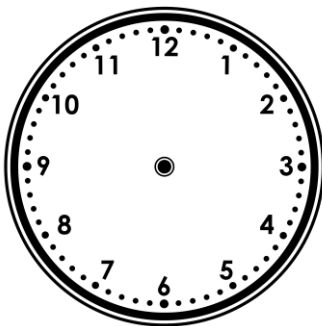
$$18,452 - 8,546 \quad \bigcirc \quad 381 \times 26$$

$$632 \times 64 \quad \bigcirc \quad 407 \times 82$$



VF

4a. There are 24 hours in a day. How many hours are there in a year?



VF

4b. There are twenty 5ps in one pound. How many 5ps are there in six hundred and forty seven pounds?



VF

# Varied Fluency – Multiply 4-digits by 2-digits

5a. Solve the calculation using column multiplication.

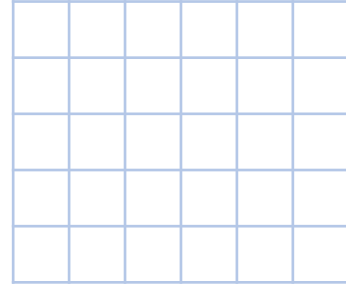
$$37 \times 5,428 =$$



VF

5b. Solve the calculation using column multiplication.

$$42 \times 3,207 =$$



VF

6a. True or false?

$$6,819 \times 74 = 74 \times 6,819$$



VF

6b. True or false?

$$8,284 \times 26 = 4,142 \times 52$$



VF

7a. Add  $>$ ,  $<$  or  $=$  to make these statements correct.

$$3,412 \times 14 \quad \bigcirc \quad 853 \times 56$$

$$49,847 - 4,915 \quad \bigcirc \quad 1,796 \times 28$$

$$7,264 \times 19 \quad \bigcirc \quad 1,816 \times 76$$



VF

7b. Add  $>$ ,  $<$  or  $=$  to make these statements correct.

$$6,283 \times 24 \quad \bigcirc \quad 8,926 \times 18$$

$$84,264 + 36,205 \quad \bigcirc \quad 3,429 \times 32$$

$$3,812 \times 55 \quad \bigcirc \quad 6,986 \times 28$$



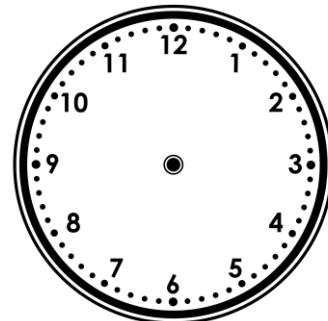
VF

8a. There are 2,750 tickets sold every day of a 2 week concert. How many tickets were sold altogether?



VF

8b. There are 3,600 seconds in one hour. How many seconds are there in 24 hours?



VF

# Varied Fluency – Multiply 4-digits by 2-digits

9a. Solve the calculation using column multiplication.

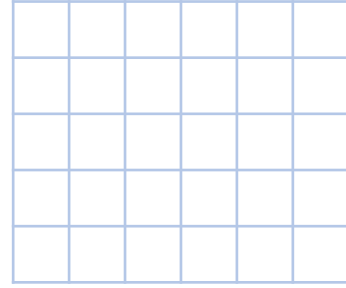
$$29 \times 37,805 =$$



VF

9b. Solve the calculation using column multiplication.

$$42 \times 16,716 =$$



VF

10a. True or false?

$$24,568 \times 32 = 18 \times 49,136$$



VF

10b. True or false?

$$32,416 \times 28 = 64,832 \times 56$$



VF

11a. Add  $>$ ,  $<$  or  $=$  to make these statements correct.

$$16,485 \times 54 \quad \bigcirc \quad 9,861 \times 96$$

$$549,256 + 6,152 \quad \bigcirc \quad 11,796 \times 47$$

$$63,482 \times 16 \quad \bigcirc \quad 31,741 \times 32$$



VF

11b. Add  $>$ ,  $<$  or  $=$  to make these statements correct.

$$37,160 \times 46 \quad \bigcirc \quad 48,529 \times 32$$

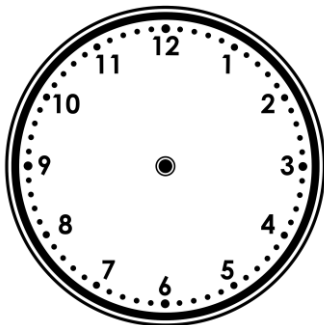
$$535,924 - 7,246 \quad \bigcirc \quad 29,371 \times 18$$

$$42,703 \times 28 \quad \bigcirc \quad 64,956 \times 16$$



VF

12a. There are 86,400 seconds in twenty four hours. How many seconds are there in two weeks?



VF

12b. There are 32,750 tickets sold every day of a football tournament in July. How many tickets were sold altogether?



VF

# Varied Fluency – Multiply 4-digits by 2-digits

## Developing

- 1a. 27,348
- 1b. 25,524
- 2a. True
- 2b. True
- 3a.  $<$ ,  $>$ ,  $=$
- 3b.  $>$ ,  $=$ ,  $>$
- 4a. 8,760 (8,784 in a leap year)
- 4b. 12,940

## Expected

- 5a. 200,836
- 5b. 134,694
- 6a. True
- 6b. True
- 7a.  $=$ ,  $<$ ,  $=$
- 7b.  $<$ ,  $>$ ,  $>$
- 8a. 38,500
- 8b. 86,400

## Greater Depth

- 9a. 1,096,345
- 9b. 702,072
- 10a. False
- 10b. True
- 11a.  $<$ ,  $>$ ,  $=$
- 11b.  $>$ ,  $=$ ,  $>$
- 12a. 1,015,250
- 12b. 1,209,600