

# Outcome 3 - Multiplying by Multiples of 10, 100 & 1000

## Bronze examples

**Examples...** **\*\* × 10, then × 9 \*\***

$$\begin{array}{r} 38 \times 90 \\ \times 90 \\ \hline 3420 \\ \phantom{3420} \\ \hline 3420 \end{array}$$

Add a zero!

**\*\* × 10, then × 4 \*\***

$$\begin{array}{r} 473 \times 40 \\ \times 40 \\ \hline 18920 \\ \phantom{18920} \\ \hline 18920 \end{array}$$

Add a zero!

## Silver examples

**Examples...** **\*\* × 100, then × 7 \*\***

$$400 \times 700 = 280\,000$$

4 × 7 = 28  
Add FOUR zero's!

**\*\* × 100, then × 7 \*\***

$$900 \times 8000 = 7\,200\,000$$

9 × 8 = 72  
Add FIVE zero's!

**\*\* × 1000, then × 8 \*\***

## Gold examples

**Examples...** **\*\* × 10, then × 3 \*\***

$$0.6 \times 30 = 18$$

6 × 3

$$0.058 \times 700 = 40.6$$

**\*\* × 100, then × 7 \*\***

$$\begin{array}{r} 5.8 \\ \times 7 \\ \hline 40.6 \\ \phantom{40.6} \\ \hline 40.6 \end{array}$$

Hundreds of Thousands	Tens of Thousands	Thousands	Hundreds	Tens	Units	•	Tenths	Hundredths	Thousandths
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## Bronze Questions

- 1  $5 \times 70$
- 2  $9 \times 40$
- 3  $46 \times 30$
- 4  $80 \times 75$
- 5  $64 \times 90$
- 6  $40 \times 38$
- 7  $589 \times 20$
- 8  $962 \times 60$
- 9  $2538 \times 70$
- 10  $8472 \times 90$

## Silver Questions

- 1  $60 \times 50$
- 2  $80 \times 30$
- 3  $300 \times 70$
- 4  $20 \times 900$
- 5  $80 \times 4000$
- 6  $6000 \times 30$
- 7  $700 \times 700$
- 8  $9000 \times 300$
- 9  $600 \times 9000$
- 10  $2000 \times 7000$

## Gold Questions

- 1  $0.9 \times 20$
- 2  $80 \times 0.4$
- 3  $0.07 \times 30$
- 4  $60 \times 0.002$
- 5  $0.09 \times 900$
- 6  $0.24 \times 200$
- 7  $500 \times 0.067$
- 8  $800 \times 0.0027$
- 9  $0.053 \times 7000$
- 10  $0.0089 \times 3000$

## Bronze Answers

- |    |         |     |         |
|----|---------|-----|---------|
| 1. | 350     | 2.  | 360     |
| 3. | 1380    | 4.  | 6000    |
| 5. | 5760    | 6.  | 1520    |
| 7. | 11 780  | 8.  | 57 720  |
| 9. | 177 660 | 10. | 762 480 |

## Silver Answers

- |    |           |     |            |
|----|-----------|-----|------------|
| 1. | 3000      | 2.  | 2400       |
| 3. | 21 000    | 4.  | 18 000     |
| 5. | 320 000   | 6.  | 180 000    |
| 7. | 490 000   | 8.  | 2 700 000  |
| 9. | 5 400 000 | 10. | 14 000 000 |

## Gold Answers

- |    |      |     |      |
|----|------|-----|------|
| 1. | 18   | 2.  | 32   |
| 3. | 2·1  | 4.  | 0·12 |
| 5. | 81   | 6.  | 48   |
| 7. | 33·5 | 8.  | 2·16 |
| 9. | 371  | 10. | 26·7 |