

Y5 – Short multiplication

Here are the lengths of different rivers around the world.

Yangtze	6,300 km
Yellow River	5,464 km
Rio Grande	3,057 km
Barito River	1,090 km
Congo	4,700 km
Yukon	3,185 km
Rhine	1,233 km
Mississippi	5,970 km
Amur	4,444 km
Orinoco	2,101 km

1) Compare these calculations

$$1,345 \times 4 \quad \bigcirc \quad 2,324 \times 2$$

$$4,193 \times 3 \quad \bigcirc \quad 3,942 \times 4$$

$$2,895 \times 6 \quad \bigcirc \quad 5 \times 3,192$$

$$7 \times 2,695 \quad \bigcirc \quad 6,294 \times 3$$

$$5,323 \times 5 \quad \bigcirc \quad 8,994 \times 3$$

2) Some new rivers have been discovered! Match each river to its length.

Marsden 5 times as long than the Rhine length: _____ km	Penelope 3 times as long as the Yangtze length: _____ km	Green Triple the length of the Yukon length: _____ km
Black 4 times the length of the Orinoco length: _____ km	Tintern Twice the length of the Rio Grande length: _____ km	Glass Double the length of the Barito River length: _____ km

6,114	8,404	18,900	2,180	9,555	6,165
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Challenge: Each of the digits from 0-9 are represented in this short multiplication once only.

The 4-digit number contains 3 odd digits and a placeholder.

The 1-digit number is an even number.

What could the calculation be?

$$\begin{array}{r}
 \square \square \square \square \\
 \times \square \\
 \hline
 \square \square \square \square \square
 \end{array}$$

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1) Compare these calculations

$$5,380 > 4,648$$

$$12,579 < 15,768$$

$$17,370 > 15,960$$

$$18,865 < 18,882$$

$$26,615 < 26,982$$

2) Some new rivers have been discovered! Match each river to its length.

Marsden 5 times as long than the Rhine length: 6,165 km	Penelope 3 times as long as the Yangtze length: 18,900 km	Green Triple the length of the Yukon length: 9,555 km
Black 4 times the length of the Orinoco length: 8,404 km	Tintern Twice the length of the Rio Grande length: 6,114 km	Glass Double the length of the Barito River length: 2,180 km

6,114	8,404	18,900	2,180	9,555	6,165
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Challenge: Each of the digits from 0-9 are represented in this short multiplication once only.

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$$7039 \times 4 = 28,156$$

