Inkleaf LEARNING

Name _____

Date _____

Year 5 Maths

Short multiplication.

I can multiply by a one-digit number using the formal written method.

1 Practise

Line the digits up in their columns. Write the answer between the two dark lines and carry underneath.

	TTh	Th	H	T	O
			3	2	4
×					3

	TTh	Th	H	T	O
			5	1	6
×					4

	TTh	Th	H	T	O
		1	2	4	3
×					5

	TTh	Th	H	T	O
		2	7	0	8
×					6

2 Use It

Work out each problem in the grid.

A school orders 6 boxes of 248 pencils. How many pencils?

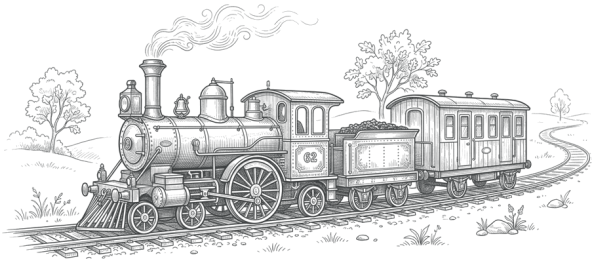
A train carries 1,375 passengers on each trip. It makes 4 trips. How many passengers?

Tickets cost £18 each. How much for 7 tickets?

3 Spot The Mistake

	TTh	Th	H	T	O
			3	4	7
×					6

Ria says **347 × 6 = 1,842**. Is she right? Check it in the grid. What did she do wrong?



Challenge

Use the digits **2, 4, 6 and 8** once each to make a three-digit number × a one-digit number.

What is the largest answer you can make? The smallest? Explain your thinking.

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Year 5 Maths

For grown-ups: how to help, and the answers.

How To Help

- Estimate first: 248 × 6 is about 250 × 6 = 1,500. It catches big slips straight away.
- Quick times-table practice makes the method much smoother; little and often works best.
- Ask them to talk you through one carry out loud. If they can explain it, they have it.

Practise

1. 972
2. 2,064
3. 6,215
4. 16,248

Use It

1. 1,488 pencils
2. 5,500 passengers
3. £126

Spot The Mistake

1. No. She forgot to add the digits she carried. 7 × 6 = 42 (carry 4), 4 × 6 + 4 = 28 (carry 2), 3 × 6 + 2 = 20. The answer is 2,082.

Challenge

1. Largest: 642 × 8 = 5,136. Smallest: 468 × 2 = 936. The biggest digit should be the multiplier for the largest answer, and the smallest digit for the smallest.