

Max's Masterful Multiplication Flashcards

Learning objective: To practise and consolidate formal written multiplication methods for multi-digit numbers, including decimals.

Use these flashcards to test your knowledge of multiplication methods and mental maths. Max the monkey says: 'Break the problem down into smaller, manageable chunks!'

What is the product of 45 and 12?

540 ($45 \times 10 = 450$; $45 \times 2 = 90$; $450 + 90 = 540$)

Explain the method for 3.4×6 .

Multiply 34 by 6 to get 204, then place the decimal point one place from the right to get 20.4

If Max buys 15 notebooks at £1.20 each, how much does he spend in total?

£18.00

What is the formal 'Long Multiplication' technique used for?

To multiply a multi-digit number by another multi-digit number (e.g., 2-digit by 2-digit)

Estimate the answer to 49×21 .

Approximately 1,000 (Round 49 to 50 and 21 to 20; $50 \times 20 = 1,000$)

What is 124×8 ?

992

If you multiply a number by 0, what is the product?

0

Calculate 0.5×0.2 .

0.1

What are the 'factors' of 12?

1, 2, 3, 4, 6, 12

How do you multiply a whole number by 1,000?

Move the digits three places to the left and add place-holding zeros if necessary

Solve: $25 \times 4 \times 7$.

700 ($25 \times 4 = 100$; $100 \times 7 = 700$)

Is 144 a multiple of 12?

Yes ($12 \times 12 = 144$)