YEAR 6 · MATHS

Mental Multiplication Strategies

Practise partitioning, doubling and using factors to multiply numbers mentally.

Name _____ **Date** _____

A Partitioning

Split a factor into tens and ones, then add the partial products.

1. **37 × 6 =** _____
   Method: _____
2. **48 × 7 =** _____
   Method: _____
3. **29 × 8 =** _____
   Method: _____

B Doubling and halving

Use doubling, halving or both to make an equivalent product.

4. **16 × 25 =** _____
   Method: _____
5. **35 × 12 =** _____
   Method: _____
6. **28 × 5 =** _____
   Method: _____

C Using factors

Break a factor into useful factors before multiplying.

7. **14 × 15 =** _____
   Method: _____
8. **32 × 25 =** _____
   Method: _____
9. **18 × 24 =** _____
   Method: _____

D Choose a strategy

Choose a mental strategy that suits each calculation.

10. **19 × 7 =** _____
    Method: _____
11. **125 × 16 =** _____
    Method: _____
12. **45 × 18 =** _____
    Method: _____

Reasoning challenge SHOW YOUR THINKING

A school orders 24 packs of 18 pencils. How many pencils does it order altogether? Use a mental strategy and show your working.

Working: _____

_____