Multiplication and Division Knowledge Organiser Key Vocabulary **Multiplication and Division Facts** Use Place Value to Multiply and Divide Mentally 5 × 1 = 5 multiply $5 \div 1 = 5$ groups of lots of × 10 times $5 \times 100 = 500$ 500 ÷ 100 = 5 72 80 divide 90 100 110 120 share 110 121 132 120 132 144 remainder **Multiply Using Formal Written Methods Factor pairs and Commutativity** factor $5 \times 4 = 20$ Remember to move Th Н Th Н any regrouped numbers into the multiple next column. After the next multiplication, $4 \times 5 = 20$ (4×3) add the regrouped product number to the The factors of 20 are 1. (4×40) answer. 2, 4, 5, 10 and 20. (4×500) The factor pairs are: twinkl visit twinkl.com 1 and 20 2 and 10 4 and 5

Multiplication and Division

Knowledge Organiser

Mental Calculations for Solving Problems

Integer Scaling Problems



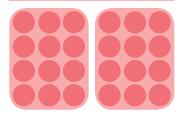


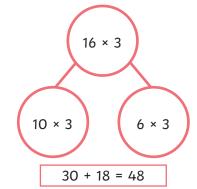






$$(3 \times 4) \times 2 = 24$$





10 pencils











75g



 $75g \times 2 = 150g$



 $10 \times 4 = 40 \text{ pencils}$

Short Division with Exact Answers

There are 69 tennis balls packed in tubes of 3.

There are 23 tubes altogether.



69

23

23

69 23 23

