Multiplication & Division Strategies

Friendly Numbers

9 × 15

10 × 15 = 150

150 − 15 = 135

Don't forget to 'undo' your change!

Repeated Addition

6 × 15

15+15+15+15+15+15

15 + 15 = 30

30 + 15 = 45

45 + 15 = 60

60 + 15 = 75

75 + 15 = 90

Partial Products

6 × 125

6 × (100 + 20 + 5)

(6×100) + (6×20) + (6×5)

600 + 120 + 30 = 750

Doubling and Halving

24 × 8

x2 ÷2

48 × 4

x2 ÷2

96 × 2

x2 ÷2

192

Breaking Factors into Smaller Factors

12 × 25

2 × 6

2 × 25 = 50

50 × 6 = 300

Grid Method

35×7

×	30	5
7	210	35

210 + 35 = 245

Partial Quotients

36 R 10

15 | 550

- 150 (10 x 15)

400

- 300 (20 x 15)

100

- 30 (2 x 15)

70

- 60 (4 x 15)

10

Multiplying Up

72 ÷ 8 8 ×

5 = 40

8 × 4 = 32

(5 + 4) = (40 + 32)

8 × 9 = 72

Repeated Subtraction

24 ÷ 6 24 − 6 − 6 − 6 − 6 **6 × 4 = 24 so 24 ÷ 6 = 4**