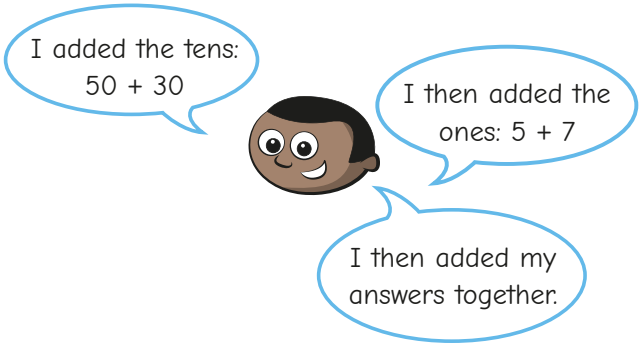
1 Mo is mentally working out 57 + 35



a) Use Mo's method to work out 57 + 35 mentally.

b) Eva started by adding 57 and 30

What do you think Eva did next?

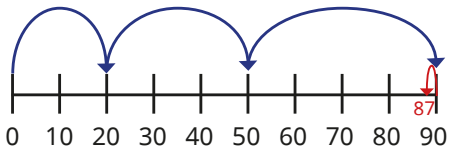
c) Work out the additions mentally.

25 + 48	250 + 480	260 + 250 + 240
62 + 55	620 + 550	

2 Whitney and Amir are working out 19 + 29 + 39

Talk about each method, and explore how they work.

Whitney's method



Amir's method

		1	9	
		2	9	
	+	3	9	
		8	7	
		2		

Whose method do you think is more efficient?

Explain your answer.

3 Use Whitney or Amir's method to solve the problems.

a) 49p + 79p

b) 99 cm × 5

c) £10 – £5.99

d) 2 l – 199 ml – 399 ml

4 **a)** Explain why 790 – 210 is approximately equal to 600

b) Explain why 720 – 290 is approximately equal to 400

c) Estimate the answer to each subtraction.

89 – 35	890 – 350
80 – 25	800 – 250
82 – 45	820 – 450

5

Cars for sale: price list

Car A	**£2,750**
Car B	**£19,500**
Car C	**£24,999**
Car D	**£45,000**

a) Estimate the total cost of all four cars.

b) Estimate the difference in price between the most expensive car and the least expensive car.

3 Use Whitney or Amir's method to solve the problems.

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6 Work out the multiplications mentally.

Write your answers.

a) 10 × 8	**c)** 18 × 5
20 × 8	34 × 5
40 × 8	5 × 430
b) 18 × 10	**d)** 21 × 6
18 × 20	7 × 32
18 × 200	84 × 4

Did you use the same method as your partner?

7 Choose the best method to solve each calculation.

Show your workings.

a) 2 × 19 × 5

b) 4 × 23 × 5

c) 25 × 9 × 3 × 4

d) 10 × 250 × 1.7 × 8