Answers

Calculating	a. 70 + 60	b. 50 - 20	c. 37 + 45 =
Number Facts	8 × 3 = 24 6 × 4 = 24 7 × 3 = 21	8 × 4 = 32 4 × 9 = 36 32 ÷ 4 = 8	27 ÷ 3 = 9 48 ÷ 4 = 12 24 ÷ 4 = 6 18 ÷ 3 = 6
Solving Problems	a. 21 + 36 b. 45	a. 9 x 5 = 45 b. 36 ÷ 3 = 12	
Methods	137 271 276 88 809 441	587 153	17

Answers

Calculating	a. 300 + 150 or 300 + 160	b. 200 - 80 or 210 - 90	c. 337 + 45 =
Number Facts	8 × 3 = 24 6 × 4 = 24 7 × 3 = 21	8 × 8 = 64 4 × 9 = 36 32 ÷ 4 = 8	27 ÷ 3 = 9 48 ÷ 8 = 6 24 ÷ 4 = 6 72 ÷ 8 = 9
Solving Problems	a. 281+137=418 b. 135 or 315	a. 37 × 5 = 185 b. Answer = 10 (15 ÷ 3 = 5, 5 + 5 = 10)	
Methods	137 271 276 88 809 441	551 153	17

Answers

Calculating	a. The children should be able to explain in their own words that each three-digit number has been rounded up or down to a near multiple of ten to add more easily.	b. 210 – 90 because they have been rounded to the nearest 10 to give a more accurate estimate.	c. Children should provide any reasonable example, for example 284 – 112 = 172 Check using the inverse, 172 + 112 = 284
Number Facts	8 × 30 = 240 60 × 4 = 240 7 × 300 = 2100	80 × 80 = 6400 400 × 9 = 3600 320 ÷ 4 = 80	27 ÷ 3 = 9 480 ÷ 80 = 6 2400 ÷ 4 = 600 720 ÷ 8 = 90

Answers

Solving Problems	Various possibilities, for example, 112+ 357 = 469, the missing 100s value will always be '1'. 624 or 642	Answers would include reference to multiplication facts (7 × 8 = 56) to give the 'ones' value. Explanation could refer to a systematic approach, e.g. starting with 17 ×, 27 ×, etc. 7 bags = 56 apples 1 bag = 56 ÷ 7 = 8 apples So, 3 bags = 3 × 8 = 24 apples	
Methods	Answers will vary depending on the starting number chosen.	Answers will vary depending on the starting number chosen.	Answers will vary depending on the starting number chosen.