

**Answers**

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

**Answers**

Calculating	a. $300 + 150$ or $300 + 160$	b. $200 - 80$ or $210 - 90$	c. $337 + 45 =$
Number Facts	$8 \times 3 = 24$	$8 \times 8 = 64$	$27 \div 3 = 9$
	$6 \times 4 = 24$	$4 \times 9 = 36$	$48 \div 8 = 6$
	$7 \times 3 = 21$	$32 \div 4 = 8$	$24 \div 4 = 6$
			$72 \div 8 = 9$
Solving Problems	a. $281 + 137 = 418$	a. $37 \times 5 = 185$	
	b. 135 or 315	b. Answer = 10 ($15 \div 3 = 5$, $5 + 5 = 10$)	
Methods	137	271	
	276	88	551
	809	441	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	$8 \times 30 = 240$	$80 \times 80 = 6400$	$27 \div 3 = 9$
	$60 \times 4 = 240$	$400 \times 9 = 3600$	$480 \div 80 = 6$
	$7 \times 300 = 2100$	$320 \div 4 = 80$	$2400 \div 4 = 600$
			$720 \div 8 = 90$

**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 ($7 \times 8 = 56$) to give the 'ones' value. Explanation could refer to a systematic approach, e.g. starting with $17 \times$, $27 \times$, etc. $7 \text{ bags} = 56 \text{ apples}$ $1 \text{ bag} = 56 \div 7 = 8 \text{ apples}$ So, 3 bags = $3 \times 8 = 24 \text{ apples}$	
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.