

Questions you can ask students to consider:

- What strategy is most efficient for you?
- Which strategy is more efficient for these numbers?
- Which is easier to carry out mentally?
- Which strategy is easier to explain?
- Would your choice change if the numbers changed?
- What number relationships does each strategy use?

198 + 47	$200 + 47 = 247$ $247 - 2 = 245$
	$198 + 40 = 238$ $238 + 7 = 245$
68 + 27	$68 + 2 = 70$ $27 - 2 = 25$ $70 + 25 = 95$
	$68 + 20 = 88$ $88 + 2 = 90$ $90 + 5 = 95$

$$503 - 487$$

$$487 + 13 = 500$$

$$500 + 3 = 503$$

$$13 + 3 = 16$$

$$503 - 400 = 103$$

$$103 - 80 = 23$$

$$23 - 7 = 16$$

$$624 - 298$$

$$624 - 300 = 324$$

$$324 + 2 = 326$$

$$624 - 200 = 424$$

$$424 - 90 = 334$$

$$334 - 8 = 326$$

$$16 \times 7$$

$$(10 \times 7) + (6 \times 7)$$

$$70 + 42 = 112$$

$$16 \times 7 = 8 \times 14$$

$$8 \times 14 = 112$$

$$19 \times 6$$

$$(10 \times 6) + (9 \times 6)$$
$$60 + 54 = 114$$

$$(20 \times 6) - 6$$
$$120 - 6 = 114$$

$$25 \times 16$$

$$25 \times 10 = 250$$
$$25 \times 6 = 150$$
$$250 + 150 = 400$$

$$25 \times 16$$
$$50 \times 8$$
$$100 \times 4 = 400$$

$$156 \div 12$$

$$10 \times 12 = 120$$
$$156 - 120 = 36$$
$$12 \times 3 = 36$$
$$156 \div 12 = 13$$

$$156 = 120 + 36$$
$$120 \div 12 = 10$$
$$36 \div 12 = 3$$
$$10 + 3 = 13$$