Question from Charles

In **December**, Anne, Betty, Cathy and Dina saved a **total of $1267**. In January, **each of them had an equal amount** of savings when Anne's savings was **doubled**, Betty's savings was **increased by $18** and Dina's savings was **decreased by $25**. If Cathy's savings remained the same,
(a) what was Betty's savings in January?
(b) What was Dina's savings in December?

Suggested Solution:

Anne's savings doubled → December: 1 units ; January: 2 units

	A	: B	: C	: D
December	**1 unit**	: 2 units **– $18**	: 2 units	: 2 units **+ $25**
January	**2 units**	: 2 units	: 2 units	: 2 units

Total savings in December → **$1267**

1 unit + 2 units – $18 + 2 units + 2 units + $25 → $1267

7 units + $7 → $1267

7 units → $1260

1 unit → $180

2 units → $360

(a) **ANS: Betty saved $360 in January.**

2 units + $25 → $360 + $25 = $385

(b) **ANS: Dina saved $385 in December.**