

10) Die Summe von Reihen natürlicher Zahlen bilden:



$$1 + 2 = 3$$



$$1 + 2 + 3 = 6$$



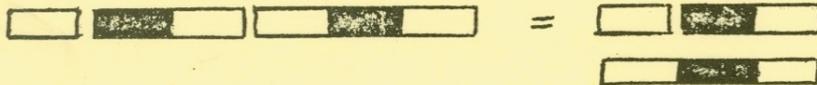
$$1 + 2 + 3 + 4 = 10$$



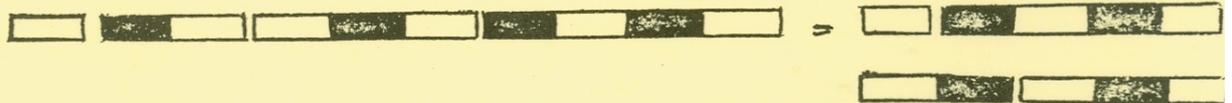
$$1 + 2 + 3 + 4 + 5 = 15$$

a) Bestimmen der Summe durch Abzählen.

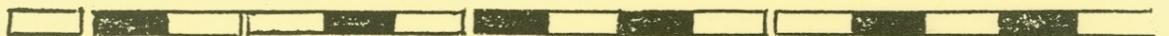
b) Bestimmen der Summe durch Malnehmen (Umordnen):



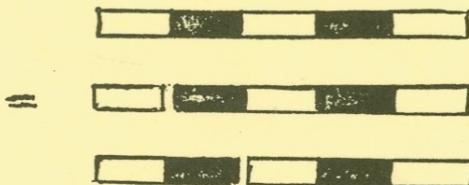
$$1 + 2 + 3 = 2 \cdot 3 = 6$$



$$1 + 2 + 3 + 4 = 2 \cdot 5 = 10$$



$$1 + 2 + 3 + 4 + 5$$



$$= 3 \cdot 5 = 15$$