

Note 7.1

1. Find the percentage change(百分變化) when a value changes from
 - (a) 160 to 200,
 - (b) 240 to 204.

2. When 110 increases by 10%, find the new value.

3. When a number decreases by 40%, it becomes 420. Find the original number (原值).

4. Mandy brings a camera with a 16 GB memory card to a tour. The capacity(容量) of the memory card decreases by 10%, 35% and 25% on the first three days.
 - (a) Find the remaining capacity(餘下的容量) of the memory card.
 - (b) Find the overall percentage change of the capacity of the memory card.

5. The price of a painting is first increased by 16% and then decreased by 24%. The selling price(售價) of the painting is \$4408. Find the original price(原價) of the painting.

6. In a vending machine, all drinks were sold at \$8 each and the number of sales was 55 yesterday. The prices of all drinks were sold at a discount(折扣) of 25% and the number of sales was increased by 20% today. Find the incomes of the vending machine today.

7. The figure shows a trapezium(梯形). If the upper base(上底) and the lower base(下底) decrease by 10% and 16% respectively, and the height(高) increases by 6%,
 - (a) find the new area of the trapezium,
 - (b) find the percentage change in the area of the trapezium.
(Give the answer correct to 3 significant figures.)

