

**[07-03-06-F6-A]**

- 32** Mariah and Mina bought some stickers. For every 4 stickers that Mariah had, Mina had 7 stickers.
- (a)** If Mina had 84 stickers, how many more stickers did Mina have than Mariah?
  - (b)** If they had 165 stickers all together, how many did each have?
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- 33** There were 20 chickens and 16 geese on a farm. 2 chickens died, 4 geese were lost and later 6 chickens were sold.
- (a)** What was the ratio of geese to chickens left on the farm?
  - (b)** If 3 more chicks were hatched, what was the new ratio of chickens to geese?

- 34** For every \$50 spent at a store, a customer received a \$5 discount.
- (a)** Johnny spent \$235 at the store. How much did he actually pay?
  - (b)** Mr Lau received a \$25 discount. How much did he spend at the store?
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- 35** Ahmad bought 3 shirts at 35% discount and 2 pairs of trousers at 10% discount. If the normal price of each shirt was \$24 and the sale price of each pair of trousers was \$30 find
- (a)** the cost price of one pair of trousers, and
  - (b)** the total discount he received.

**36** A pair of sunglasses costs \$90. It was sold at a 15% discount during a sale. If the owner still made a profit of 10% after the discount, what was the cost price of the sunglasses?

**37** Meifang bought 6 tapes at \$8.90 each and 4 compact discs at \$20 each. She sold everything for a profit of 20%. Given that she sold the tapes at \$9.40 each, calculate the percentage profit she made for selling the tapes alone. (Leave your answer in 1 decimal place.)

**38** Julie bought 30 tennis rackets at \$60 each. She sold 12 of them at \$80 each and the rest at a 25% profit. What was her total profit in dollars?

**39** A basket of clothes, when half full, weighed 2.4 kg. The basket became  $\frac{5}{8}$  full when another 0.5 kg of clothes were added in. What was the weight of the empty basket?

- 40** Philip buys a plot of land for \$161 800 and sells it to Tom at a 10% profit. Tom then sells it to Jerry at a 5% loss.
- (a)** How much would Jerry have to pay to Tom for the plot of land?
  - (b)** If Philip were to buy the plot of land from Jerry at \$161 800, what would be Jerry's percentage of gain or loss from the sale of the plot of land?

- 31 (a)** 90 cm  
**32 (a)** 36  
**33 (a)** 1 : 1  
**35 (a)** \$33.30  
**38** \$510
- (b)** 45.45%  
**(b)** Mariah = 60 stickers, Mina = 105 stickers  
**(b)** 5 : 4  
**(b)** 23%  
**39** 0.4 kg
- 34 (a)** \$211.50  
**36** \$69.55  
**40 (a)** \$169 081
- (b)** \$250  
**37** 29.6%  
**(b)** 4 5%