

4 Pedro makes cards.

- (a)** He makes cards at a rate of 9 cards every 20 minutes.

Work out the number of cards he makes in 8 hours.

..... [2]

- (b)** Each card costs 12 cents to make.
Pedro sells each card for 50 cents.

Work out his percentage profit on each card.

..... % [2]

5 Nuwa is buying a phone.

One website sells the phone for 953 Yuan.

A different website sells the same phone for \$141.

The exchange rate is 1 Yuan = \$0.152 .

Calculate the difference between these phone prices.

Give your answer in dollars, correct to the nearest cent.

\$ [2]

- 8** Hadi buys a dishwasher.
 He can either pay a single payment of \$980 or he can pay using a monthly plan.
 The monthly plan is 20% of \$980 **plus** 12 payments of \$75.25 .

(a) Hadi uses the monthly plan.

Calculate the total amount Hadi pays.

\$ [2]

(b) Find the percentage increase in the cost using the monthly plan compared to a single payment.

..... % [2]