
Unit Rate - Wholesale vs Retail - Answer Key

- 1) **Electrical switches cost \$5.16 wholesale. If the retail price is \$7.14 each, how much would an electrician save over retail by buying 50 switches at the wholesale price?**

$$50 * \$5.16 = \$258$$

$$50 * \$7.14 = \$357$$

$$\$357 - \$258 = \$99$$

Savings of \$99

- 2) **A grocery store sells 3 pounds of green apples for \$2.34 and 2 pounds of red apples for \$1.86. Which apples have the better unit price?**

$$\text{Green: } \$2.34 \div 3 = \$0.78 \text{ per pound}$$

$$\text{Red: } \$1.86 \div 2 = \$0.93 \text{ per pound}$$

Green apples have a better unit price

- 3) **A pizza shop has 3 different offers. Offer A: 3 pizzas for \$24, Offer B: 5 pizzas for \$35, Offer C: 15 pizzas for \$135. What is the better deal?**

$$\text{Offer A: } \$24 \div 3 = \$8 \text{ per pizza}$$

$$\text{Offer B: } \$35 \div 5 = \$7 \text{ per pizza}$$

$$\text{Offer C: } \$135 \div 15 = \$9 \text{ per pizza}$$

Offer B is the better deal

- 4) **Car engines cost \$2,000 wholesale. If the retail price is \$4,000 each, how much would an automotive company save over retail by buying 20 motors at the wholesale price?**

$$20 * \$2,000 = \$40,000$$

$$20 * \$4,000 = \$80,000$$

$$\$80,000 - \$40,000 = \$40,000$$

Savings of \$40,000

- 5) **A shop is selling the same pens in two different packs. Which pack is better value for money and how much cheaper is it per pen? Pack A: 2 pens cost \$3.20 Pack B: 3 pens cost \$4.65.**

$$\text{Pack A: } \$3.20 \div 2 = \$1.60 \text{ per pen}$$

$$\text{Pack B: } \$4.65 \div 3 = \$1.55 \text{ per pen}$$

Pack B is the better value. It is 5 cents cheaper per pen.