

QUESTION 1 Increase the following by the given percentage.

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|---------------------------------|--|
| a \$45 by 30% = _____ | b \$8000 by 15% = _____ |
| c \$80 by 45% = _____ | d \$3000 by 60% = _____ |
| e \$350 by 20% = _____ | f \$750 by 35% = _____ |
| g 900 g by 40% = _____ | h 50 minutes by 20% = _____ |
| i 400 kg by 60% = _____ | j 240 L by 50% = _____ |
| k 36 h by 100% = _____ | l 80 t by 75% = _____ |
| m \$648 by 25% = _____ | n \$320.80 by 16% = _____ |
| o \$199.95 by 5% = _____ | p \$149.90 by $12\frac{1}{2}\%$ = _____ |
| q 80 ha by 20% = _____ | r 600 cm by 70% = _____ |

QUESTION 2 Decrease the following by the given percentage.

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|----------------------------------|----------------------------------|
| a \$63 by 19% = _____ | b \$84 by 32% = _____ |
| c 4 m by 35% = _____ | d 260 L by 24% = _____ |
| e \$930 by 10% = _____ | f \$6354 by 20% = _____ |
| g \$134 by 25% = _____ | h \$575 by 30% = _____ |
| i \$928.50 by 15% = _____ | j \$243.80 by 50% = _____ |
| k 48 h by 25% = _____ | l \$840 by 70% = _____ |
| m \$365 by 15% = _____ | n \$960 by 45% = _____ |
| o \$96 by 40% = _____ | p \$60.50 by 80% = _____ |
| q \$940 by 28% = _____ | r \$620 by 35% = _____ |

QUESTION 3

- a** Bill bought a block of land for \$230 000. If the price of land rises by 80%, find the new value.

- b** Nathan earns \$1500 a week. Calculate his new weekly wage if he receives a pay rise of 20%.

- c** The price of a new car is \$30 000 and after 1 year it decreases by 20%. Find the new value of the car.

- d** A shirt priced at \$130 was sold at a discount of 25%. Find the sales price. _____