

Fill in the Blanks

Percentage Change

Round your answers to 1 decimal place where necessary.

| Question | Actual Change | Original Amount | Calculation | Percentage Change |
|--|---------------|-----------------|---------------------------------|-------------------|
| A population of butterflies grows from 500 to 562. What is the percentage change? | 62 | 500 | $\frac{62}{500} \times 100$ | 12.4% |
| Ayesha buys a bike for £3000 and sells it for £3200. What is her percentage profit? | £200 | £3000 | $\frac{200}{3000} \times 100$ | 6.7% |
| Hassan's savings increased from £150 to £167.50. Find the percentage increase. | £17.50 | £150 | $\frac{17.50}{150} \times 100$ | 11.7% |
| Leia buys a painting for \$700 and sells it for \$642. Work out her percentage loss. | \$58 | \$700 | $\frac{58}{700} \times 100$ | 8.3% |
| Tony's wages increase from £14.25 per hour to £15.85 per hour. What is the percentage increase? | £1.60 | £14.25 | $\frac{1.60}{14.25} \times 100$ | 11.2% |
| Eric buys a laptop for £550 and after 1 year it is worth £325. What is the percentage loss in its value? | £225 | £550 | $\frac{225}{550} \times 100$ | 40.9% |
| The population of a town increases from 56500 to 58900. What is the percentage growth? | 2400 | 56500 | $\frac{2400}{56500} \times 100$ | 4.2% |
| The price of a book is reduced from £7.99 to £6.49. Find the percentage decrease. | £1.50 | £7.99 | $\frac{1.50}{7.99} \times 100$ | 18.8% |
| Noah buys an antique clock for £45 and sells it for £150. Find his percentage profit. | £105 | £45 | $\frac{105}{45} \times 100$ | 233.3% |
| E.g. A necklace which originally cost £7.50 is reduced to £5.85 in a sale. Find the percentage decrease. | £1.65 | £7.50 | $\frac{1.65}{7.50} \times 100$ | 22% |
| E.g. A class which used to contain 30 students now has 34 students. Find the percentage increase. | 4 | 30 | $\frac{4}{30} \times 100$ | 13.3% |