# Percentages (%) - Worksheet Answers

**Answer 1:**

Calculate the portion of the original number depending on the given percentages:

| No. | Original number | Percentage | Answer |
|-----|-----------------|------------|--------|
| 1 | 935 | 10% | 93.5 |
| 2 | 200 | 2.5% | 5 |
| 3 | 75 | 40% | 30 |
| 4 | 732 | 35% | 256.2 |
| 5 | 340 | 27% | 91.8 |

**Answer 2:**

Change the following percentages into decimal points,

| No. | Percentage | Decimal |
|-----|------------|---------|
| 1 | 93% | 0.93 |
| 2 | 2% | 0.02 |
| 3 | 115% | 1.15 |
| 4 | 27% | 0.27 |
| 5 | 2.5% | 0.025 |

**Answer 3:**

Original price= $250

Discount rate= 30%

Discount amount:

$$\frac{30}{100} \times \frac{250}{1} = \$75$$

**Answer 4:**

Previous salary= $23.97/hr

Pay rise= 2.5%

So, the increased amount:

$$\frac{2.5}{100} \times \frac{23.97}{1} = \$0.599$$

So, the new salary rate = $ (23.97 +0.599) = $24.60 (rounded to the nearest)

**Answer 5:**

Previous score = 42

New score = 48

So, score increased by (48-42) = 6

To calculate the percentage increase in this instance, we need to calculate how much it would have increased if the previous score was 100. The score has increase by 6 from 42.

$$\frac{6}{42} \times \frac{100}{1} = 0.1428 \times 100 = 14.28\%$$

So, the result has improved by 14.28%.

**Answer 6:**

Current rate = $320/week

Rates increased by 20%

So, the current rent is the addition of the original rent with the increased amount, which means original rent would be less than the current rent.

If we add the increased percentage with 100% we get 120%

Converting 120% into decimals; 120%= 1.2

Divide the current rent/week by the decimal to get the original rent/week

$$320 \div 1.2 = 266.66$$

So, the earlier rent was $267/week (rounded to the nearest dollar).

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