**QQQ – Year 7 Percentages (Calc allowed)**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| 1 | What percentage is 48 of 350? (Give your answer to the nearest percent)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 2 | Find 37% of £455.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 3 | Dave buys a squirrel for £35 and sells it for £47. What percentage profit does he make? (to the nearest percent)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 4 | A painting is bought for £1451 and sold on at a profit of 14%. What is it sold for?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 5 | What would you multiply a value by to decrease it by 2.5%?  \_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 6 | What is 85% as a fraction in its simplest form?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 7 | Little Bo Peep lost 20% of her sheep and now has 120 left. How many sheep did she have originally?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 8 | Horace has some badgers of which 60% are male. Arty has 5% more badgers of which are male. What percentage more male badgers does Arty have than Horace?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |

Score \_\_\_\_\_\_\_/8 Award \_\_\_\_\_\_\_\_\_\_\_\_\_

(Platinum: 8, Gold: 7+, Silver: 6+, Bronze: 5+)

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Score \_\_\_\_\_\_\_/8 Award \_\_\_\_\_\_\_\_\_\_\_\_\_

(Platinum: 8, Gold: 7+, Silver: 6+, Bronze: 5+)

**ANSWERS**

|  |  |  |
| --- | --- | --- |
| 1 | What percentage is 48 of 350? (Give your answer to the nearest percent)  **14% (accept 13.7% or more accurate)** |  |
| 2 | Find 37% of £455.  **£168.35** |  |
| 3 | Dave buys a squirrel for £35 and sells it for £47. What percentage profit does he make? (to the nearest percent)  **34% (accept 34.2/34.3% or more acc)** |  |
| 4 | A painting is bought for £1451 and sold on at a profit of 14%. What is it sold for?  **£1654.14** |  |
| 5 | What would you multiply a value by to decrease it by 2.5%?  **0.975** |  |
| 6 | What is 85% as a fraction in its simplest form? |  |
| 7 | Little Bo Peep lost 20% of her sheep and now has 120 left. How many sheep did she have originally?  **150 sheep (accept badgers)** |  |
| 8 | Horace has some badgers of which 60% are male. Arty has 5% more badgers of which are male. What percentage more male badgers does Arty have than Horace?  **25% more**  **(If Horace had say 100 badgers, Arty has 105 badgers. Then Horace has 60 male badgers and Arty 75. 75 is a quarter more than 60, i.e. 25%)** |  |

(Platinum: 8, Gold: 7+, Silver: 6+, Bronze: 5+)