Primary 5/6 Challenging Word Problems (No Algebra)

Set of 10 Questions

Questions

Q1. Pupils in classes

There are 393 pupils in three classes, 6A, 6B and 6C. 6C has 18 fewer pupils than 6B. 6A has 3 times as many pupils as 6C. How many pupils are there in 6B and 6C altogether?

Q2. Carnival groups

There are 1008 people at a carnival. There are 4 times as many girls as adults. There are 108 more girls than boys. Find the difference between the number of boys and the number of adults.

Q3. Beads

Lina has 684 beads altogether: blue, green and orange. The number of green beads is twice the number of blue beads. The number of orange beads is 96 fewer than the number of green beads. How many more orange beads than blue beads does she have?

Q4. Stickers in packs

There are 2560 stickers in three packs A, B and C. Pack A has 5 times as many stickers as pack B. Pack B has 180 fewer stickers than pack C. How many more stickers are there in pack A than pack C?

Q5. Cost (ratio)

The cost of 4 notebooks and 9 pens is $84. Each notebook costs 3 times as much as a pen. What is the total cost of a notebook and a pen?

Q6. Cost (difference)

Mr Lee bought 5 desks and 8 stools for $692. A stool costs $11 less than a desk. Find the cost of 3 desks.

Q7. Giving money to reach a ratio

Two sisters have $180 altogether. The elder sister has 5 times as much money as the younger sister. How much must the elder sister give the younger sister so that the elder sister will have twice as much money as the younger sister?

Q8. Cards transfer (ratio changes)

Alan and Brian have 162 trading cards altogether. At first, Alan has 5 times as many cards as Brian. Alan then gives some cards to Brian. After that, Alan has twice as many cards as Brian. How many cards did Alan give Brian?

Q9. Money difference flips

At first, Mr Tan has $2350. He has $650 more than Mrs Tan. Mr Tan then gives some money to Mrs Tan. In the end, Mr Tan has $170 less than Mrs Tan. How much money did he give her?

Q10. Water bottles (before/after)

Two water bottles A and B contained the same amount of water at first. Then 180 ml was used from bottle A and 60 ml was used from bottle B. After that, bottle A contained half as much water as bottle B. How much water did each bottle contain at first?

Answers

Q1. **168** pupils

Q2. **264**

Q3. **60** beads

Q4. **1180** stickers

Q5. **$16**

Q6. **$180**

Q7. **$30**

Q8. **27** cards

Q9. **$410**

Q10. **300** ml