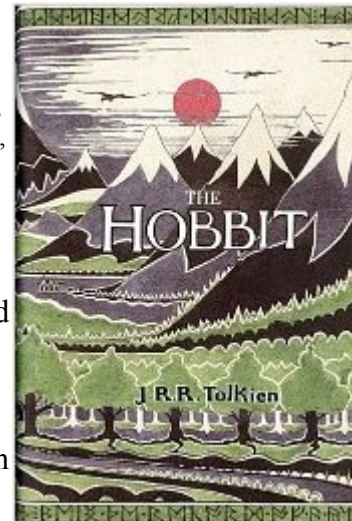


Math Word Problems from The Hobbit

Problems based on the [Singapore Primary Math series, level 5A](#). For your reading pleasure, I have translated the problems into the universe of a family-favorite story by [J.R.R. Tolkien](#), *The Hobbit*.



An Unexpected Party

Bilbo had 3 times as many apple tarts as mince pies in his larder. If he had 24 more apple tarts than mince pies, how many of the pastries (both tarts and pies) did he have altogether?

Roast Mutton

The three trolls had 123 pieces of gold. Tom had 15 pieces of gold more than Bert. Bert had 3 pieces fewer than William. How many pieces of gold did William have?

Over Hill and Under Hill

The Great Goblin had twice as many goblin soldiers as his cousin, the Gross Goblin. How many soldiers must the Great Goblin send to his cousin so that they will each have 1200 goblin soldiers?

Riddles in the Dark

Gollum caught 10 small fish. He divided the fish to make 4 equal meals. How many fish did he eat at each meal?

Queer Lodgings

Beorn baked a large loaf of wholegrain bread. He ate $\frac{1}{3}$ of the loaf himself (with plenty of honey!), and he sliced $\frac{1}{2}$ of the same loaf to feed the dwarves and Bilbo. What fraction of the loaf was left?

Barrels Out of Bond

The Elvenking had a barrel of fine wine. His butler poured $\frac{3}{4}$ gallon of it into a small keg. He drank $\frac{1}{2}$ of the keg and gave the other half to his friend, the chief of the guards. How much wine did the Elvenking's butler drink?

Inside Information

$\frac{2}{3}$ of the items in the dragon Smaug's treasure were made of gold. $\frac{1}{4}$ of the remaining part was precious gems. What fraction of Smaug's treasure was precious gems?

The Battle of Five Armies, Part 1

When the Elvenking heard the dragon had been killed, he set out to claim a share of the treasure. $\frac{2}{5}$ of his army were archers. $\frac{1}{2}$ of the remainder fought with spears, and the rest carried swords. If 300 soldiers carried swords, how many elves marched out with the Elvenking?

The Battle of Five Armies, Part 2

The Bowman Bard gathered a small army of 600 survivors from the town of Esgaroth, which the dragon had destroyed. The ratio of archers to swordsmen was 2:3. How many archers followed Bard to the Lonely Mountain?

The Return Journey

The dwarves rewarded Bilbo with two chests of gold, silver, and small gems --- 6000 pieces of treasure altogether. There were twice as many pieces of gold as there were gems. There were 600 more pieces of silver than gems. How much of each type of treasure did Bilbo receive?