



11+ word problems: practice questions

Questions

Name: _____

Date: _____

Foundation

Question 1

A box holds 24 chocolates. Ben eats $\frac{1}{3}$ of them, and then gives 4 chocolates to his sister. How many chocolates are left in the box?

Answer: _____

Question 2

A knight is gathering supplies. He buys 3 torches at £4 each and a coil of rope for £7. He pays the shopkeeper with a £20 note. How much change should the knight receive?

Answer: _____

Question 3

Maya's tennis lesson starts at 4:20 in the afternoon and lasts 45 minutes. After the lesson, she spends another 15 minutes practising with a friend. At what time is Maya ready to leave?

Answer: _____

Question 4

A dragon's vault contains 40 golden goblets. The dragon gives away half of the goblets to a passing wizard, and then carefully polishes 3 of the goblets that are left. How many of the dragon's goblets have NOT yet been polished?

Answer: _____

Core

Question 5

Two pirates share 56 gold coins in the ratio 3 : 5. How many more coins does the pirate with the larger share receive than the other pirate?

Answer: _____

Question 6

A recipe needs 250g of sugar. Sam has a 2kg bag of sugar and makes the recipe 3 times. How much sugar is left in the bag? Give your answer in grams.

Answer: _____

Question 7

A farmer harvests 240 pumpkins from his field. He sells $\frac{1}{3}$ of the whole harvest at the market, and gives $\frac{1}{4}$ of the whole harvest to his neighbours. He keeps every pumpkin that is left to make soup. How many pumpkins does the farmer keep for soup?

Answer: _____

Question 8

Leo wants to buy a bicycle that costs £100. He has already saved £30, and he saves a further £6 each week from his pocket money. How many more full weeks must Leo save before he can afford the bicycle?

Answer: _____

Challenge

Question 9

A games console is priced at £240. It is reduced by 25% in a sale. A shopper also has a voucher that takes off a further 10% from the sale price. How much does the shopper pay for the console in total?

Answer: _____

Question 10

A merchant begins the day with a chest of silver coins. During the morning he doubles the number of coins he has by selling rare spices. In the afternoon, he spends 70 coins on fresh supplies. By the evening he has exactly 150 coins left. How many coins did the merchant have at the very start of the day?

Answer: _____

Question 11

A band of 100 adventurers must cross a wide river to continue their expedition. Each boat can carry exactly 8 people, but 1 of those seats must always be taken by a boatman (who is not one of the adventurers) to row the boat across. What is the smallest number of boats the band needs so that every adventurer gets across?

Answer: _____

Question 12

The great dragon Pyraxis returns to her vault after a fierce battle to count what remains of her treasure. During the year she spent $\frac{2}{5}$ of her gold coins repairing the scorched walls of her cave, and later she rewarded her most loyal goblins with 90 gold coins. Counting what is left, she finds exactly 150 gold coins remaining. How many gold coins were in Pyraxis's vault at the very beginning?

Answer: _____