

Word problems

Name _____

Date _____

Read each problem, set out the calculation or equation and write a complete answer.

1. A gardener needs exactly 36 kg of compost. Supplier A sells it for £1.80 per kilogram with free delivery. Supplier B sells 12 kg bags for £18 each and charges £6 delivery per order. How much less does the required compost cost from Supplier B?

2. A rectangular floor measures 8 m by 5 m. A tiler allows an extra 10% of the floor area for cutting waste. Tiles are sold only in whole packs, each covering 1.8 m². What is the minimum number of packs needed to meet this allowance?

3. A bag contains six blue tokens and four red tokens. Two tokens are drawn at random, without replacing the first. What is the probability that both tokens are blue? Give your answer as an exact fraction.

4. A scale model reproduces a tank's interior, with every length reduced by a factor of 20. The model has a capacity of 0.75 litres. What is the capacity of the real tank in litres?

5. Printer A produces 48 pages per minute and starts at 09:00. Printer B produces 30 pages per minute and starts at 09:08. Both print continuously until 09:25. How many pages do they produce altogether?
