Real-life problems

Name: _____ **Date:** _____



Mr Boston says: Round up when you need “enough” (tins, buses, boxes); round down when you can only make complete items.

Real-life problems

Break each problem into steps. Write a sentence for your final answer.

1 A family day out: 2 adult tickets at £14.50 and 2 child tickets at £9.25. They have a 15% discount voucher. How much do they pay?

Answer: _____

2 A bedroom wall is 3.6 m wide and 2.4 m high. Two coats of paint are needed. A tin covers 10 m². How many tins?

Answer: _____

3 Flooring costs £18.99 per m². A room is 4 m by 3.5 m. What is the cost?

Answer: _____

4 A car does 45 miles per gallon. How many gallons for a 270 mile trip?

Answer: _____

5 Monthly budget: income £1,250. Rent £550, food £220, bills £185, travel £90. How much is left?

Answer: _____

6 A recipe for 6 needs 450 g of rice. How much rice for 10 people?

Answer: _____

7 130 pupils go on a trip. Each coach holds 52. How many coaches?

Answer: _____

8 Phone plan A: £12 a month. Plan B: £50 upfront and £7 a month. Over 12 months, which is cheaper and by how much?

Answer: _____

9 A train leaves at 16:48 and arrives at 19:12. How long is the journey?

Answer: _____

10 £2,000 is saved at 2.5% simple interest for 3 years. How much interest?

Answer: _____

Answers for grown-ups

Real-life problems

1. A family day out: 2 adult tickets at £14.50 and 2 child tickets at £9.25. They have a 15% discount voucher. How much do they pay? → **£40.38**
2. A bedroom wall is 3.6 m wide and 2.4 m high. Two coats of paint are needed. A tin covers 10 m². How many tins? → **2**
3. Flooring costs £18.99 per m². A room is 4 m by 3.5 m. What is the cost? → **£265.86**
4. A car does 45 miles per gallon. How many gallons for a 270 mile trip? → **6**
5. Monthly budget: income £1,250. Rent £550, food £220, bills £185, travel £90. How much is left? → **£205.00**
6. A recipe for 6 needs 450 g of rice. How much rice for 10 people? → **750 g**
7. 130 pupils go on a trip. Each coach holds 52. How many coaches? → **3**
8. Phone plan A: £12 a month. Plan B: £50 upfront and £7 a month. Over 12 months, which is cheaper and by how much? → **B is cheaper: A = £144, B = £134, saving £10**
9. A train leaves at 16:48 and arrives at 19:12. How long is the journey? → **2 h 24 min**
10. £2,000 is saved at 2.5% simple interest for 3 years. How much interest? → **£150.00**