



Reasoning Problems

Bronze

The Year 6 SATs Reasoning papers ask pupils to apply maths to word problems, not just calculate. These questions follow the same style - read carefully before working out what to do.

Name: _____ Date: _____

Section A: Word Problems

1. A cinema ticket costs £8.50. How much would 4 tickets cost?

2. Jamil has £20. He spends £7.65 on lunch. How much does he have left?

3. A recipe for 4 people needs 300g of rice. How much rice is needed for 10 people?

4. A school has 6 classes of 28 pupils. How many pupils are there in total?

5. A journey takes 2 hours 45 minutes. If it starts at 10:20, what time does it finish?

Section B: Ratio & Algebra

1. A ratio of red to blue counters is 2:3. If there are 10 red counters, how many blue counters are there?

2. If $x + 15 = 40$, what is x ?

3. If $3y = 27$, what is y ?

4. A recipe uses flour and sugar in the ratio 3:1. If there is 90g of sugar, how much flour is needed?

5. A number machine doubles a number then adds 5. If the output is 21, what was the input?

