



**NAME:**

**DATE:**

--	--	--

## **REASONING QUESTIONS SAT**

# **KS2 MATHEMATICS**

---

### ***INSTRUCTIONS:***

- ▶ANSWER ALL QUESTIONS
- ▶ALL WORKINGS MUST BE SHOWN
- ▶USE THE CALCULATOR WHEN EXPECTED

**MARK   GRADE**

--	--

## KS2 Maths – Reasoning Questions (SATs Style)

**Instructions:** Show your working for each question. Use full sentences or equations where appropriate.

---

1. Ben thinks of a number. He doubles it and then subtracts 4. His answer is 10.  
What was Ben's number?

**Answer:** \_\_\_\_\_

2. A shape has four sides. Two sides are 6 cm, and the other two are 4 cm. What shape could it be? What is its perimeter?

**Answer:** \_\_\_\_\_

3. A bag contains 3 red balls, 2 blue balls and 5 green balls. What is the probability of picking a blue ball?

**Answer:** \_\_\_\_\_

4. Emma has £5. She buys 3 pens at £1.20 each. How much money does she have left?

**Answer:** \_\_\_\_\_

5. A pizza is cut into 8 equal slices. Jacob eats 3 slices. What fraction of the pizza is left?

**Answer:** \_\_\_\_\_

6. A bus leaves at 9:15 a.m. and arrives at 11:00 a.m. How long is the journey?

**Answer:** \_\_\_\_\_

7. One pencil costs 45p. How much do 4 pencils cost? Write your answer in pounds.

**Answer:** \_\_\_\_\_

8. What is the next number in this sequence: 2, 4, 8, 16, \_\_\_\_?

**Answer:** \_\_\_\_\_

9. A shape has 1 line of symmetry and 4 equal sides. What shape is it?

**Answer:** \_\_\_\_\_

10. Lucy thinks of a number. She multiplies it by 3 and adds 5. Her answer is 20.

What was the number?

**Answer:** \_\_\_\_\_