

NAME:

DATE:

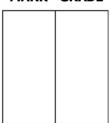
REASONING QUESTIONS SAT

KS2 MATHEMATICS

MARK GRADE

INSTRUCTIONS:

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



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: _____

Lucy thinks of a number. She multiplies it by 3 and adds 5. Her answer is 20.
What was the number?