11+ Practice Tests



The cost, C, in pounds, for a group of friends to rent a bouncy castle can be calculated using the formula $C = (120 \div f) + 15$, where f is the number of friends splitting the cost.

If 8 friends decide to rent the bouncy castle, how much will each friend need to pay?

A £30

B £25

C £20

D £35

If the length of a rectangle is represented by 2x + 3 and its width is 5, what is the area of the rectangle when x = 4?

A 55

B 33

C 65

D 45

Mr Johnson is making a large batch of homemade lemonade for a party.

He has 5 litres of lemonade that he is pouring into different sized glasses.

He pours the lemonade into two glasses that each hold a ml, and five glasses that each hold b ml.

He completely fills the glasses and there is no lemonade left over.

Which of the following gives the total volume of lemonade in ml in terms of a and b?

A 5000 = 2a + 5b

B 5000 = 2a - 5b

C 2a + b = 5000

D 5000 = a - b

A local charity calculates the cost per person for a fundraising dinner using the following formula: $C = (500 \div n) + 25$, where C is the cost per person in pounds and n is the number of attendees.

If 20 people attend the dinner, how much will each person need to pay?

A £30

B £45

C £55

D £50

Samantha is planning a party and needs to buy a certain number of balloons, *B*, and a certain number of party hats, *H*.

Balloons cost £1.20 each, and party hats cost 80p each.

Samantha wants to spend exactly £20 on party supplies.

Which of the following combinations could Samantha buy for her party?

A 10 balloons and 10

B 5 balloons and 8 party **C** 5 balloons and 20

D 20 balloons and no

6	A bakery sells cupcakes in boxes of 20.				
	They also sell crates that contain 5 boxes.				
	Each cupcake costs £0.75.				
	What is the total cost of one crate of cupcakes?				
	A £75	B £7.50	C £750	D £7 500	1
7	Sarah is thinking of a shape.				
	She says: "It is a regular polygon with four equal sides and four equal angles."				
	Which of the following shapes is Sarah thinking of?				
	A Rhombus	B Square	C Rectangle	D Parallelogram	1
8	A large cruise ship has a total passenger capacity of 3,827 people.				
	During a recent voyage, only 3,619 passengers were on board.				
	How many empty passenger slots were there on the ship?				
	A 208	B 218	C 198	D 228	1
9	A remote-controlled toy car is driven 4 metres forward and 3 metres to the left.				
	It finishes its journey at the point (-2, 6) on a coordinate grid.				
	What are the coordinates of the point where the car started its journey?				
	A (2, 10)	B (1, 2)	C (-6, 3)	D (-6, 9)	1
10	Liam and Olivia were baking cookies for a school fundraiser.				
	Liam baked a batch of 24 cookies in 18 minutes, while Olivia baked a batch of 36 cookies in 27 minutes.				
	How many minutes did it take them to bake both batches of cookies in total?				
	A 45 minutes	B 51 minutes	C 42 minutes	s D 54 minutes	1