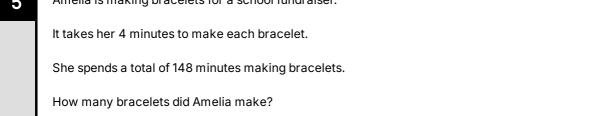
11+ Practice Tests

11+ Maths Test 20 (Ages 10-11)



1	A solid object has 5 faces, 9 edges, and 6 vertices. Which of the following could it be?						
	A Triangular prism	B Rectangular pyramid	C Pentagonal prism	D Hexagonal pyramid	1		
2	Amelia is trying to figure out an equation.						
	When $x = 4$, the result of the equation is 20.						
	Which of the following could not be Amelia's equation?						
	A 5x + 5	B $x^2 + 4$	C 6x - 4	D 3x + 8	1		
3	John is thinking of a 3D shape. He says, 'It has a square base and four triangular faces that meet at a point.'						
	Which of these options could be John's shape?						
	A Triangular prism	B Square-based pyram	id C Tetrahedi	ron D Octahedron	1		
4	A sunflower is currently	x cm tall.					
	After a week, it grows by 5 cm.						
	After another week, its height is triple what it was at the start.						
	What is the height of the sunflower after the second week in terms of x ?						
	A $3(x + 5)$ cm	B x + 3 × 5 cm	C 3 <i>x</i> + 5 cm	D 5x + 3 cm	1		
5	Amelia is making bracel	ets for a school fundraiser.					
	It takes her 4 minutes to make each bracelet.						



A 37

B 32

C 29

D 41

6	Liam swims for 120 seconds, then rests for three minutes.								
	He repeats this five times, starting at 2:15 pm.								
	At what time does he finish his swimming session?								
	A 2:40 pm	B 2:45 pm	C 2:35 pm	D 2:50 pm	1				
7	Amir is watching a film that is 120 minutes long.								
	The film has three commercial breaks, which split the movie into four equal parts.								
	He starts watching the film at 14:30.								
	At what time will the first commercial break begin?								
	A 14:57	B 15:00	C 14:45	D 15:10	1				
8	In a science experiment, a solution was diluted by a factor of 100.								
	If the final concentration of the solution is 2.5×10^{-3} mol/L, what was the original concentration before								
	dilution?								
	A 0.25 mol/L	B 0.025 mol/L	C 2.5 mol/L	D 0.25 mol/L	1				
9		fter a journey of 2 hours and							
	40 minutes.								
	At what time is the train due to arrive in Manchester?								
	A 17:15	B 15:15	C 16:15	D 17:25	1				
10	A bakery is making a special cake for a wedding. The cake consists of three tiers:								
	The bottom tier is a large								
	The middle tier is a medium-sized circular fruit cake weighing 1.92 kg. The top tier is a small square chocolate cake weighing 1.18 kg.								
	What is the total weight of the wedding cake?								
	A 5.85 kg	B 5.75 kg	C 5.95 kg	D 6.05 kg	1				