11+ MATHS (Foundation)

Item 1	$12 \times 1000 =$	
S 1	$A:1200$ $B:12000$ $C:120$ $D:120000$	

Item 2	$564 - 439 =$	
S 2	$A:135$ $B:125$ $C:136$ $D:126$	

Item 3	A card is picked from a pack of ordinary 52 playing cards. What is the probability of getting a king, queen or jack?	
S 3	$A:\dfrac{3}{13}$ $B:\dfrac{3}{52}$ $C:\dfrac{12}{13}$ $D:\dfrac{13}{52}$	

Item 4	$96 \div 6 =$	
S 4	$A:17$ $B:14$ $C:15$ $D:16$	

Item 5	$0.3 + 0.8 =$	
S 5	$A:0.11$ $B:1.2$ $C:0.38$ $D:1.1$	

Item 6	Simplify the following: $\dfrac{3}{30}$	
S 6	$A:\dfrac{1}{3}$ $B:\dfrac{1}{10}$ $C:\dfrac{1}{5}$ $D:\dfrac{1}{9}$	

Item 7	Simplify the following: $$\frac{8}{32}$$	
S 7	$A : \dfrac{1}{8}$ $B : \dfrac{1}{4}$ $C : \dfrac{4}{16}$ $D : \dfrac{2}{8}$	

Item 8	Fill in the next two numbers in the following sequence: 5, 13, 21, 29, ..., ...	
S 8	$A : 38,47$ $B : 37,45$ $C : 37,46$ $D : 38,46$	
8b	Describe how you completed the problem: A: Multiply by 2 then add 2 B: Plus 9 C: Plus 8 D: Multiply by 3 then subtract 1	

Item 9	$7.62 - 2.34 =$	
S 9	$A : 5.28$ $B : 5.32$ $C : 5.31$ $D : 5.29$	

11+ MATHS (Middle)

Item 1	$0.00712 \times 100 =$	
S 1	$A: 0.712$ $B: 7.12$ $C: 71.2$ $D: 712$	

Item 2	$410.3 \div 1000 =$	
S 2	$A: 41.03$ $B: 4.103$ $C: 0.4103$ $D: 0.04103$	
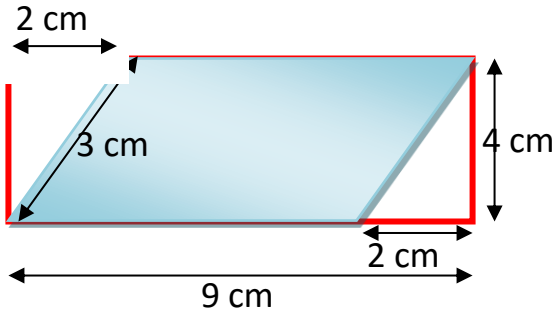
Item 3	Round the number below to one decimal place: 4.18	
S 3	$A: 4.20$ $B: 4.1$ $C: 4.2$ $D: 4.10$	

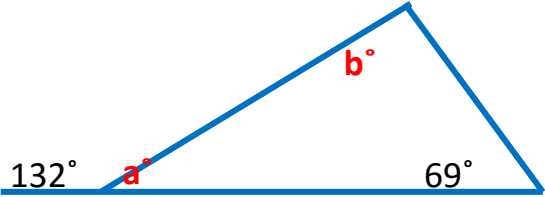| Item 4	Write the following fractions in order of size, from smallest to largest: $\dfrac{2}{3}, \dfrac{5}{6}, \dfrac{7}{12}$	3m
S 4	$A: \dfrac{7}{12}, \dfrac{2}{3}, \dfrac{5}{6}$ $B: \dfrac{7}{12}, \dfrac{5}{6}, \dfrac{2}{3}$ $C: \dfrac{2}{3}, \dfrac{7}{12}, \dfrac{5}{6}$ $D: \dfrac{5}{6}, \dfrac{2}{3}, \dfrac{7}{12}$	

Item 5	$-9 + 7 =$	
S 5	$A: -16$ $B: 2$ $C: -2$ $D: 16$	

Item 6	Work out the perimeter and area of the following shape: 7 cm 2 cm	4m
S 6	$A: P = 9cm, A = 14cm^2$ $B: P = 14cm, A = 18cm^2$ $C: P = 18cm, A = 14cm^2$ $D: P = 18cm^2, A = 14cm$	

11+ MATHS (Advanced)

Item 1	The diagram below shows a shaded parallelogram drawn inside a rectangle.	
	  2 cm 3 cm 4 cm 2 cm 9 cm	
S 1	What is the area of the shaded parallelogram? $A : 21 cm^2$ $B : 28 cm^2$ $C : 32 cm^2$ $D : 36 cm^2$	

Item 2	A can of lemonade from a vending machine costs 65p. The table below shows the coins that were collected from the machine in one day.	
	Coins | Number of Coins 50p | 22 20p | 18 10p | 33 5p | 41	
S 2	How many cans of lemonade were sold that day? $A : £20.85$ $B : £19.95$ $C : 31$ $D : 30$	

Item 3	Find the missing angles **a**° and **b**°:	3m
	132° **a**° **b**° 69°	

S 3	
	$A: a = 48°, b = 53°$
	$B: a = 48°, b = 63°$
	$C: a = 58°, b = 53°$
	$D: a = 58°, b = 63°$

Item 4	$3\dfrac{1}{3} + 1\dfrac{9}{20} =$	

S 4	
	$A: 4\dfrac{9}{60}$
	$B: 4\dfrac{49}{60}$
	$C: 4\dfrac{10}{23}$
	$D: 4\dfrac{47}{60}$