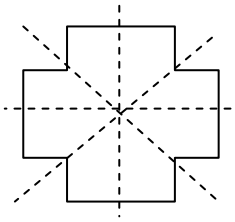
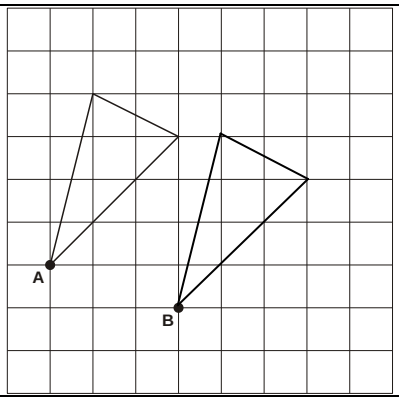
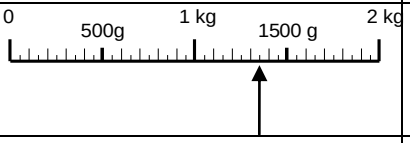
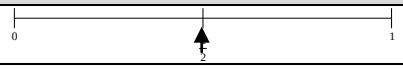
FFX 2-3 Maths Revision Answers

A	Counting and understanding numbers	Answer	Mark	Criteria
1	5.8 ÷ 100	0.058	1	1
2	Round the following to one decimal place.	2.2 5.4 7.5 4.6 4.0	2 marks if all correct 1 mark if 3 or 4 correct	2
3	Find two prime numbers with a sum of 98	19 and 79 31 and 67 37 and 61	1	3
4	a) Use two of the cards to make a fraction which is less than ½	$^3/_7$ or $^3/_9$ or $^3/_{11}$ or $^5/_{11}$	1	4
	b) How much less than 1 is your fraction?	$^4/_7$ or $^6/_9$ or $^8/_{11}$ or $^6/_{11}$ corresponding with above answers	1	4
4	c) Complete the table to show equivalence:	$^4/_5$ **0.8** 80% $^3/_4$ 0.75 **75%** $^6/_{10}$ 0.6 60% $^2/_5$ 0.4 40% $^3/_{10}$ **0.3** 30%	2 marks if all correct 1 mark if 5 or more correct	4
5	Write $^4/_{32}$ in its simplest form	$^1/_8$	1	5
B	**Calculating**		**Mark**	**Criteria**
6	a) $\square$ ÷ 12.2 = 7.5	91.5	1	6
	b) 39 – (12.54 + 16.26) =	10.2	1	6
7	What percentage of the grid is shaded?	40%	1	7
8	Calculate 283 x 16	7958	2 marks if correct, 1 mark if wrong but method correct	8
9	a)What is the difference in temperature between London and Paris?	10°	1	9
	b)What is the temperature in New York at noon?	-4°	1	9
10	What is the length of the road in km?	39.6 km	1	10
11	Write in the missing digit	2 6 3) **7** 8	1	11
C	**Shape, Space and Measure**		**Mark**	**Criteria**
12	a) A quadrilateral can have no parallel sides A triangle can have 2 parallel sides	✗ ✗	1	12
	b) A triangle can have 2 right angles A quadrilateral can have 2 obtuse angles.	✗ ✓	1	14
13	Draw all lines of symmetry on the shape		1	13
13	What order of rotational symmetry does the shape have?	4	1	13
14	Find missing angle 'f' in a full turn	360 – 150 = 210	1	14

		210 ÷ 3 = 70		
15	Draw the triangle in its new position.		2	15
16	Draw a triangle that has a right angle and a 65% angle.	Ensure angles are correct size, allow 2° error	2 (1 mark for each angle)	16
17	Mark an arrow on the scale to show the reading for 1350g		1	17
18	Write in sensible units	g cm ml	1	18
19	What is the perimeter of the square?	64 cm	2 marks if correct, 1 mark if wrong but method correct	19
D	**Data Handling**		**Mark**	**Criteria**
20	Mark B on probability scale		1	20
21	a) the **mean** of the **three** numbers is **9**	Any three nos. that add to 30	1	21
21	b) the **range** of the **five** numbers is **15**	Any nos. as long as the difference between the smallest and largest nos is 15	1	21
22	Who is most likely to get same numbers of heads and tails	Robot Because most trials	1	22
23	**Estimate** how much more Mrs Binns gets than Mr Adams for selling peaches.	£50	1	23