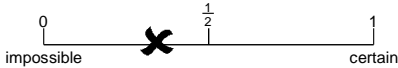


Yr 7 FFX 2/3 Practice Assessment **Answers**

A	Counting and understanding numbers	Answer	Mark	Criteria
1	$3.7 \div 100$	0.037	1	1
2	Round the following to one decimal place.	2.5 5.3 7.2 4.7 3.9	2 marks if all correct 1 mark if 3 or 4 correct	2
3	Complete the sentences using the numbers 1 2 3 4 5	1(2) is a factor of 2/3/4/5 (4) 42 is a multiple of 1/2/3 2/3/5 is a prime number 1/4 is not a prime number	2 (-1 per error)	3
4	Complete these fractions to make each equivalent to $\frac{3}{4}$	$\frac{6}{8}$ $\frac{9}{12}$ $\frac{12}{16}$	1	4
5	Write $\frac{4}{16}$ in its simplest form	$\frac{1}{4}$	1	5
B	Calculating		Mark	Criteria
6	a) $\square \div 22.6 = 7.5$	169.5	1	6
	b) $50 - (14.24 + 16.36) =$	19.4	1	6
7	Calculate 346×23	7958	2 marks if correct, 1 mark if wrong but method correct	9
8	Make the calculation true	$\square + \square = -8$ $\square - \square = -8$	2 marks One for each sum	8
9	What is the number Sue thinks of?	66	1	11
C	Shape, Space and Measure		Mark	Criteria
10	a) A triangle can have 2 parallel sides A triangle can have 2 perpendicular sides	X ✓	1	12
	b) A triangle can have 2 acute angles A triangle can have 2 obtuse angles.	✓ X	1	12
11	Find missing angle in isosceles triangle	$180 - (2 \times 62^\circ) = 56^\circ$	1	
12	What order of rotational symmetry does the shape have?	4	1	13
D	Data Handling		Mark	Criteria
13	What is the probability that the arrow stops in sector E ?		1	20
14	a) the mean of the three numbers is 8	Any three nos. that add to 24	1	21
	b) the mode of the five numbers is 12	Any nos. as long as 12 occurs the most	1	21
15	Find p(Head) After 30 throws why not 50 heads and 50 tails?	$\frac{1}{2}$ ~Different outcomes from experiments ~Larger no. of trials gives result closer to theoretical probability	1 1(either)	22
16	a) Estimate the number of worms that Tony found.	Allow 23 - 25	1	23
	b) Explain how you know.	Tony because he got $\frac{1}{4}$ of 80 = 20 snails whereas Gemma got $\frac{1}{2}$ of 36 = 18	1	23