2016 Arithmetic Section B

1)		£.p
	8 biscuits at 45p each	3.60
	6 eggs which cost £1.60 for twelve	0.80
	600 grams of butter at £2.50 per Kg	1.50
	2.5 litres of milk costing 90p per litre	**2.25**
	TOTAL	**£8.15**

2a) 15

2b) 9

2c) 2

3a) 31 cm^2

3b) 8 cm

3c) 9cm

4a) $\frac{1}{3}$ "$one\ third$"

4b) 90°

4c) 10

5a) C, F, I, O

5b) G

5c) E, K, N

6a) 34 m

6b) 30 m

6c) 70°

7a) 44

7b) 6

7c) 10

7d) 6

8a) $\frac{9}{20}$

8b) $\frac{4}{75}$

8c) 2

8di) $\frac{2}{3}$

8dii) $\frac{2}{5}$

8diii) $\frac{2}{11}$

8e) *e.g.* Always 2 on top line OR the number on the bottom line is as in question

9a) 80 kmph

9b) 135 m

9c) 162 m

9d) 2 m

10)

	New spies recruited that year by spymaster	New spies recruited that year by other spies	TOTAL number of new spies recruited that year	TOTAL number of spies recruited since 2013
2013	4	0	4	4
2014	8	0	8	12
2015	16	8	**24**	**36**
2016	**32**	32	**64**	100
2017	64	**96**	**160**	260
2018	**128**	256	**384**	644

11a) 900 Watts

11b) 20 Watts

11c) 4

11d) 1200 Watts

11e) 70 RF