

2016 Arithmetic Section B

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

2a) 15

2b) 9

2c) 2

3a) 31 cm²

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

