Mark schemes

1 Award **TWO** marks for all three numbers correct as shown:

×	8	5	7
4	**32**	20	28
5	40	**25**	35
3	24	15	21

If the answer is incorrect, award **ONE** mark for two numbers correct.

Up to 2

[2]

2 168

[1]

3 29

[1]

4 1914

[1]

5 85r6 or 85.75 or $85\frac{3}{4}$ or $85\frac{6}{8}$

[1]

6 Award **TWO** marks for the correct answer of 24 180.

If the answer is incorrect, award **ONE** mark for evidence of appropriate working which contains no more than **ONE** arithmetical error, eg:

- long multiplication algorithm, eg

```
   465
 ×  52
 23250
  930
```
wrong answer

- grid method, eg

	400	60	5
50	20000	3000	250
2	800	120	10

■ partitioning method, eg

465 × 10 = 4650
465 × 20 = 9300
465 × 20 = 9300
465 × 2 = 930
wrong answer

*In all cases accept follow-through of **ONE** error in working.*

***Do not** award any marks if:*

■ *the error is in the place value, eg the omission of the zero when multiplying by tens, eg*

```
  465
×  52
 2325
  930
```

wrong answer

■ *the final (answer) line of digits is missing.*

Variations on algorithms are acceptable, provided they represent viable and complete methods.

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2m

[2]

7 (a) 90

1

(b) 13

1

[2]

8 16

[1]

9 Award **TWO** marks for all four values correct as shown:

15 × 100 = **1500**

150 × 10 = 1500

15000 ÷ 100 = 150

150 ÷ 10 = **15**

If the answer is incorrect, award **ONE** mark for three values correct.

Up to 2

[2]

10 **187** ÷ 11 = 17

[1]

11 **7** × **8** × **9**

Numbers may be given in any order.

U1

[1]

12 Award **TWO** marks for the correct answer of 75

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg:

- 30 × 50 = 1500
  1500 ÷ 20

OR

- 30 × 50p = £15
  5 20p coins make £1
  5 × 15

OR

- 50p ÷ 20p = 2.5
  30 × 2.5

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2

[2]

13 **1** **1** × **1** **6**

Numbers may be given in either order.

[1]

14 Award **TWO** marks for the correct answer of £1.55

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg

£5.40 – £0.75 = £4.65

£4.65 ÷ 3

*Accept for **ONE** mark £155 **OR** £155p **OR** 1.55p as evidence of an appropriate method.*

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2

[2]