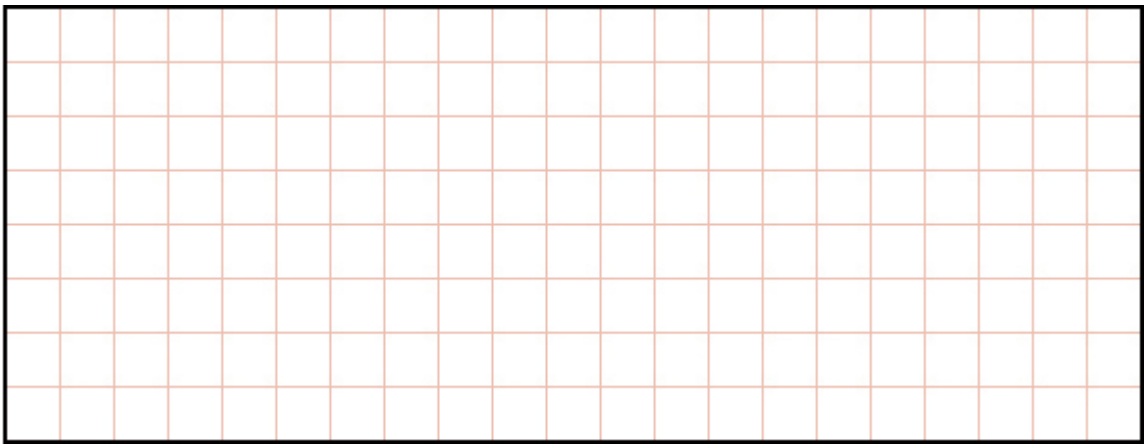
1. 1,210 ÷ 11 =



1 mark

2. 17 | 714

Show your method

2 marks

3. $37\overline{)888}$

Show your method

2 marks

4. $28\overline{)1652}$

Show your method

2 marks

5. $59\overline{)2242}$

Show your method

2 marks

Mark schemes

1. 110

[1]

2. Award **TWO** marks for the correct answer of 42

If the answer is incorrect, award **ONE** mark for a formal method of division with no more than **ONE** arithmetic error,
i.e.

- long division algorithm, e.g.

```
      42 r2
17 | 714
   – 680        (40 × 17)
     36   (error)
   – 34         (2 × 17)
     2
```

OR

```
      43   (error)
17 | 714
   – 680        (40 × 17)
     34
   – 34         (2 × 17)
     0
```

- short division algorithm, e.g.

```
      4 1 r7
17 | 71 4      (error in carrying digit)
```

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

Short division methods must be supported by evidence of appropriate carrying figures to indicate the use of a division algorithm, and be a complete method. The carrying figure must be less than the divisor.

Up to 2m

[2]

3. Award **TWO** marks for the correct answer of 24

If the answer is incorrect, award **ONE** mark for the formal methods of division with no more than **ONE** arithmetic error, i.e.

- long division algorithm, e.g.

```
    23 r29
37 | 888
   - 740
     140   (error)
   - 111
      29
```

OR

```
     42   (error)
37 | 888
   - 740          20 × 37
     148
   - 148          4 × 37
       0
```

- short division algorithm, e.g.

```
    2 3 r27   (error)
37 | 88^14 8
```

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

*Short division methods **must** be supported by evidence of appropriate carrying figures to indicate the use of a division algorithm, and be a complete method. The carrying figure **must** be less than the divisor.*

Up to 2m

[2]

4. Award **TWO** marks for the correct answer of 59.

If the answer is incorrect, award **ONE** mark for the formal method of long division, eg:

Wrong answer

```
28 | 1652
 − 140
   252
 − 252
     0
```

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

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

***Do not** award any marks if the final answer is missing.*

Up to 2

[2]

5. Award **TWO** marks for the correct answer of 38

If the answer is incorrect, award **ONE** mark for a formal method of division with no more than **ONE** arithmetic error, i.e.

- long division algorithm, e.g.

```
      38 r2
59 | 2242
   – 1770        (30 × 59)
     474   (error)
   –  472        (8 × 59)
        2
```

OR

```
      35   (error)
59 | 2242
   – 1770        (30 × 59)
     472
   –  472        (8 × 59)
        0
```

- short division algorithm, e.g.

```
      3  7 r48   (error)
59 | 224 47 2
```

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

Short division methods must be supported by evidence of appropriate carrying figures to indicate the use of a division algorithm, and be a complete method. The carrying figure must be less than the divisor.

Up to 2m

[2]