Mark schemes

Q1.

÷ 10

1

÷ 10 ⟶ –10

1

+ 10 ⟶ ÷ 10

1

[3]

Q2.

Indicates only the three correct shapes, ie

.....✓..... ....✓.....

....✓.....

2

For 1 mark: Indicates any two of the correct shapes with the third incorrect or omitted

or

Indicates the three correct shapes with not more than one other incorrect

1

[2]

Q3.

£ 469.35

2

For 1 mark: Shows the digits 46935

or

Shows the digits 8775 and 3816(0)

or

Shows or implies a complete correct method with not more than one computational error

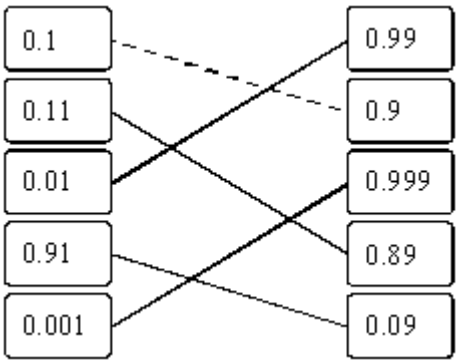
eg

- 106 × 3.6(0) + 39 × 2.25
- (145 – 39) × 3.60 + (39 × 2.25)
- 39 × 2.25 = 87.75
  107 (error) × 3.6(0) = 385.2(0)
  87.75 + 385.2(0) = 472.95

1 **[2]**

Q4.

(a) Joins all four pairs of numbers correctly, ie

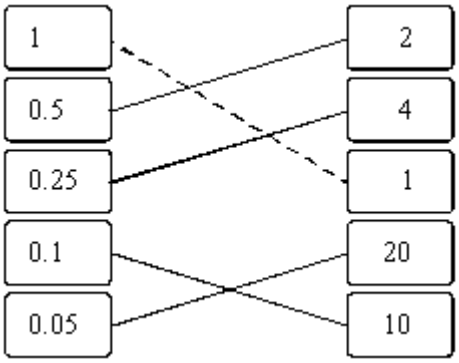


2

For 1 mark : Joins at least two pairs of numbers correctly

1

(b) Joins all four pairs of numbers correctly, ie



2

For 1 mark : Joins at least two pairs of numbers correctly

1

[4]

Q5. Barry is 14 years old

Q6. (a) Gives a number bigger than $5\frac{2}{3}$ but smaller than 6

eg

- 5.7
- $5\frac{7}{8}$
- $5\frac{3}{4}$

1

(b) Gives a number bigger than 5.6 but smaller than $5\frac{2}{3}$

eg

- 5.65
- $5\frac{16}{25}$

1

[2]

Q7.

(a) Indicates 2*n* must be even and gives a correct explanation

eg

- Any whole number multiplied by two gives a number in the two times table, so is even
- Odd × 2 = even,
  even × 2 = even
- 2 × odd is odd + odd = even
  2 × even is even + even = even
- All multiples of 2 are even
- Halving an odd number does not give a whole number

1

(b) Indicates 3*n*could be odd or even and gives a correct explanation

eg

- 3 × 1 = 3 which is odd, but 3 × 2 = 6 which is even
- Odd × 3 = odd,
  even × 3 = even
- Multiples of 3 can be odd or even
- An even or odd number can have a factor of 3

1

[2]

Q8.

0.775

1

0.575

1

[2]

Q9.

3311

2 (U1)

For 1 mark : Shows the value 441

or

Shows a correct method with not more than one computational error

eg

- 2870 + 21^2

Do not accept conceptual error
eg

- *$2870 + 21^2 = 2870 + 42$*
  $= 2912$

1

[2]

Q10.

0.1 and 0.9 or equivalent, in either order

(U1)

[1]