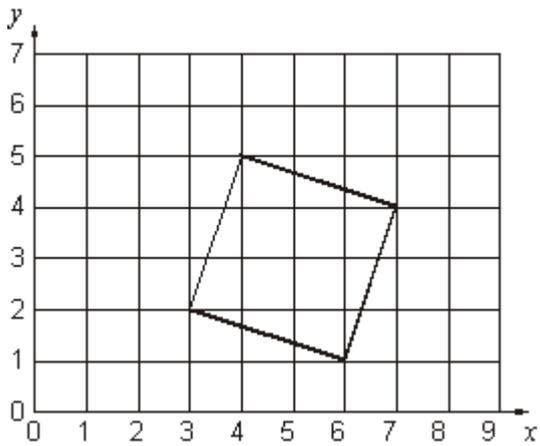


Mark schemes – Summer 2, Week 7

**Q1.**

Diagram completed as shown:



*Accept slight inaccuracies in drawing*

[1]

**Q2.**

(5, 2)

*Coordinates must be written in the correct order.*

*Accept unambiguous answers written on the diagram.*

[1]

**Q3.**

(4, 3)

*Coordinates must be written in the correct order.*

*Accept (6, 3), (4, -1) or (6-1)*

*Accept answers written on the diagram, with or without brackets and commas.*

[1]

**Q4.**

(3, 5)

*Do not accept (5, 3).*

[1]

**Q5.**

Indicates correct coordinates for both points, ie A as (7, 13) and B as (17, 13)

2

*or*

Indicates correct coordinates for one point

*or*

Transposes the responses, ie A as (17, 13) and B as (7, 13)

or

The only error is to indicate incorrect, but consistent, y ordinates, provided  $y > 3$

eg

- A as (7, 12) and B as (17, 12)

$\frac{1}{U2}$

[2]

**Q6.**

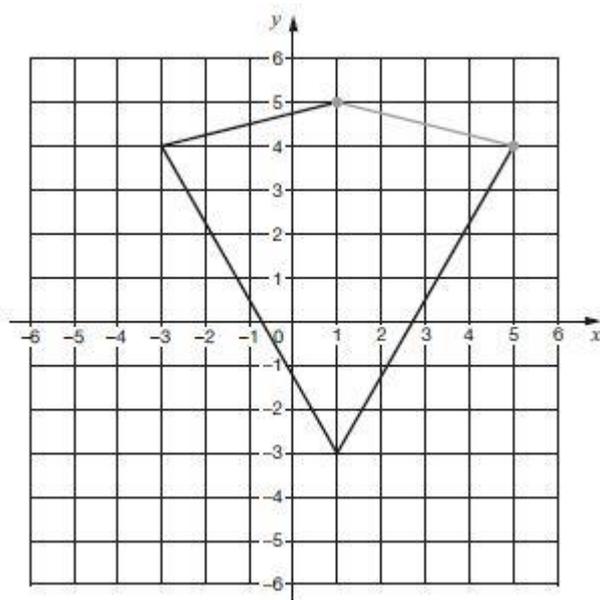
(-3, 1)

*Do not accept (3-, 1)*

[1]

**Q7.**

Quadrilateral completed as shown:



*Accept slight inaccuracies in drawing*

[1]

**Q8.**

(50, 15)

[1]

**Q9.**

(a) A is (12, 6)

1

(b) B is (19, 3)

1

*Coordinates must be given in the correct order.**If the answer to (a) is (19, 3) **AND** the answer to (b) is (12, 6) then award **ONE** mark for (b)**Accept unambiguous answers written on the diagram.***[2]****Q10.**

£ 302.27

**[1]****Q11.**Award **TWO** marks for the correct answer of 80p **OR** £0.80If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:

- $£2.00 - £0.05 = £1.95$

$$£5.00 - £2.25 = £2.75$$

$$£2.75 - £1.95 = \text{wrong answer}$$

*Accept for **ONE** mark £80 **OR** £80p **OR** 0.80p as evidence of appropriate working.**Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2m

**[2]****Q12.**Award **TWO** marks for the correct answer of £1.85If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $1\frac{1}{2} \times £1.50 = £2.25$   
 $\frac{1}{2}$  of £1.80 = 70p (error)  
 $£2.25 + 70p = £2.95$   
 $£5 - £2.95 =$

**OR**

- $£1.50 + 75 = £2.25$

$$£2.25 + 90 = 415\text{p (error)}$$

$$£5.00 - 415\text{p} =$$

**OR**

- sight of £3.15 **OR** 315p as evidence of evaluating the correct cost of the potatoes and carrots.

*Do not accept misreads for this question.*

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

*Accept for **ONE** mark an answer of £185 or £185p as evidence of an appropriate method.*

Up to 2 marks

[2]

**Q13.** Award **TWO** marks for the correct answer of £3.85

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

$$£10 - £2.30 = £7.70$$

$$£7.70 \div 2 = \text{wrong answer}$$

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

Up to 2

[2]

**Q14.** Award **TWO** marks for the correct answer of 35p **OR** £0.35.

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

- $50\text{p} + 20\text{p} + 10\text{p} + 10\text{p} + 5\text{p} = 95\text{p}$   
 $£2.00 - 95\text{p} = £1.05$   
 $£1.05 \div 3$

*Accept for **ONE** mark an answer of £35 **OR** £35p **OR** 0.35p as evidence of an appropriate method.*

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

Up to 2m

[2]

**Q15.** Award **TWO** marks for the correct answer of £0.90

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

- $£1.35 \times 2 = £2.70$   
 $£2.70 \div 3$

*Accept for **ONE** mark an answer of £90p **OR** £0.9 as evidence of an appropriate method.*

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

Up to 2m

[2]

**Q16.** Award **TWO** marks for the correct answer of £16,470

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g:

- $\begin{aligned} &£32.94 \times 1000 = £32,940 \\ &£32,940 \div 2 \end{aligned}$

**OR**

- $\begin{aligned} &£32.94 \times 500 \\ &= £3294 \times 5 \end{aligned}$

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

Up to 2

[2]

**Q17.** Award **TWO** marks for the correct answer of £5.75

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g:

- $\begin{aligned} &£6.75 \times 3 = £20.25 \\ &£20.25 + £8.50 = £28.75 \\ &£28.75 \div 5 \end{aligned}$

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

Up to 2

[2]

**Q18.** (a) Award **TWO** marks for the correct answer of 192 **OR** £192.00

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

$$\begin{aligned} &£8.50 \times 12 = £102 \\ &£4.50 \times 20 = £90 \\ &\text{cost} = £102 + £90 \end{aligned}$$

*Accept for **TWO** marks £192.00p **OR** £192 00*

*Accept for **ONE** mark £192p **OR** £19200 **OR** £1.92 **OR** £19.20 **OR** £1920 as evidence of an appropriate method.*

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

Up to 2

(b) 16

1

[3]

**Q19.** Award **TWO** marks for the correct answer of £1.68

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

- $\begin{aligned} &20 - 14.96 = 5.04 \\ &5.04 \div 3 \end{aligned}$

*Accept for **ONE** mark an answer of £168 **OR** £168p as evidence of an appropriate method.*

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

Up to 2m

[2]

**Q20.** (a) 7

*Accept 7 r 55p.*

**Do not accept 7 r 55**

1

(b) Award **TWO** marks for the correct answer of £4.11

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

$$4 \times 3.79 = 15.16$$

$$8.95 + 15.16 = 24.11$$

$$24.11 - 20$$

*Accept for **ONE** mark £411 **OR** £411p as evidence of appropriate method.*

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

Up to 2

[3]

**Q21.** Award **TWO** marks for the correct answer of 13

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

$$500 \div 15 = 33$$

$$500 \div 25 = 20$$

$$33 - 20$$

*Award **ONE** mark for an answer of  $13\frac{1}{3}$  **OR** 13.  $\dot{3}$  **OR** 13.3 **OR** 13.33, etc.*

*Award **ONE** mark for sight of 20 **AND** 33 with no evidence of an incorrect method.*

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

Up to 2

[2]

**Q22.** Award **TWO** marks for the correct answer of 75p

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

$$£1.45 - £1.10 = 35p$$

$$£1.10 - 35p = \text{wrong answer}$$

**OR**

$$£1.10 \times 2 = £2.20$$

$$£2.20 - £1.45 = \text{wrong answer}$$

*Accept for **ONE** mark 0.75p **OR** £75 as evidence of appropriate working.*

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

Up to 2 (U1)

[2]

**Q23.**

Award **TWO** marks for the correct answer of £1.75

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

- $40 \div 4.25 = 9.411\dots$

$$4.25 \times 9 = 38.25$$

$$40 - 38.25$$

**OR**

- 10 yo-yos cost £42.50

$$9 \text{ yo-yos cost } £42.50 - £4.25 = £38.25$$

$$£40 - £38.25$$

*Accept for **ONE** mark £175 **OR** £175p **OR** 1.75p as evidence of appropriate method.*

*Accept for **ONE** mark sight of £38.25 **OR** 38.25 **OR** 3825*

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

Up to 2

[2]

**Q24.**

Award **TWO** marks for the correct answer of £11.40.

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

- $£1.25 + £1.60 = £2.85$

$$£2.85 \times 4$$

*Accept for **ONE** mark an answer of £1,140 **OR** £1,140p **OR** £11.4 as evidence of an appropriate method.*

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

Up to 2m

[2]