

Eastern Area Mathematical Challenge 2010

Answers Round 1 (30 marks)

1. £4.50 (2marks)
2. $\frac{7}{24}$ (or equivalent fraction) (2 marks)
3. 1.375 (2 marks)
4. 16% (2 marks)
5. $x = 2$ (2 marks)
6. $\frac{5}{18}$ (or equivalent fraction) (2 marks)
7. $(2x-13)(x+9)$ (1 mark each)
8. 24kg (2 marks)
9. 30°C (2 marks)
10. 20 cm^2 (2 marks)
11. 44cm (2 marks)
12. 231 (2 marks)
13. 6.5 ms^{-1} (2 marks)
14. $t = 2r - q$ (1 mark 2r/ 1 mark -q)
15. 52.5° (2 marks)

(Total 30)

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Answers Round 4 (30 marks)

5 marks for each answer.

1. D
2. C
3. E
4. D
5. B
6. D