Factors multiples primes Answers

0 min
0 marks

1.   11, 29   B1
       c.a.o.

       17, 23   B1
       c.a.o.

                                                                                 [2]

2.   (a)   12 only   1

       (b)   3 only   1

                                                                                 [2]

3.   (a)   multiple of 24   1
             ignore extras if lowest correct

       (b) $\dfrac{11}{24}$ 2
             M1 for a correct attempt at two equivalent fractions
             (e.g.. $\dfrac{5\times 8}{48}$ and $\dfrac{3\times 6}{48}$ seen or better)
             ww. and decimals alone zero

                                                                                 [3]

4.   √5

                                                                                 [1]

5. (a) $\sqrt{4}$ or 2   1

    (b) $\sqrt{81}$ or 9   1

    (c) $\sqrt{64}$ or 8   1

    (d) $\sqrt{14}$ or 3.7(4…)   1

                                                                  [4]

6. (a)   7   1
    (b)   Any multiple of 70 (e.g. 490)   1

                                                                  [2]

7. (i) $\sqrt{35}$ 1
    (ii) 3   1
    (iii) 45   1
    (iv) 2 or 3 or 37   1
          accept any combination
    (v)   2   1
    (vi) 24   1

                                                                  [6]

8. (i)   9   B1
    (ii) 3 and 223   B1,B1

                                                                  [3]

9. (i)   3   B1
    (ii) Multiple of 60   B1

                                                                  [2]