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| **Algebra Revision** | | | | **1** |
| **(a)** | **(b)** | **(c)** | **(d)** | |
| Simplify | Simplify | Solve | Here are the first four terms in a sequence.  (i) Write down the next term in the sequence.  (ii) Explain how you got your answer. | |
| **(e)** | **(f)** | **(g)** |
| Solve | Find the value of  when | Expand |
| **(h)** | **(i)** | **(j)** | **(k)** | |
| Simplify | Find the value of when  , and | Simplify | The cost in pounds of a taxi journey is calculated using the formula:  where is the distance in km.  (i) Find the cost of a journey of .  (ii) A taxi journey costs . Work out the distance travelled. | |
| **(l)** | **(m)** | **(n)** |
| Solve | Factorise | Represent on the number line below. |