Tutorial 1 2020 G9

Nov 2017 national paper **Do not answer questions** **numbers 2a, 6, 8b, 8b , 12 ,13b, 14b, 20b.**

**Instead answer numbers given below**

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| 1 | Evaluate  A 3  B  C  D | |
| 2 | Express the ratio of 4 cm to 1 km in the form 1 : n.  A 1 : 250  B 4 : 1  C 1 : 25 000  D 4 : 10 000 | |
| 3 | Find the interior angle of a regular 12-sided polygon.  A 30o  B 150o  C 330o  D 210o | |
| 4 | Solve the inequality 3 – 5*x* = 18.  A *x* = – 3  B *x*  – 3  C *x* = 3  D *x*  3 | |
| 5 | Factorise 6ab – 2ad – 3bc + cd.  A (3b – d) (2a + c)  B (3b – d) (2a – c)  C (3b + d) (2a – c)  D (3b + d) (2a + c) | |
| 6 | The lowest common multiple of 6, 15 and *x* is 90. Find the two possible values of *x* which are odd numbers.  A *x* = 9 and 18  B *x* = 9 and 45  C *x* = 18 and 45  D *x* = 45 and 90 | |
| 7 | Evaluate 2 − 3(−2)2.  A 14  B -34  C -10  D 38 | |
| 8 | The numbers 168 and 324, written as the products of their prime factors, are 168 = 23 × 3 × 7 , 324 = 22  × 34. Find the largest integer which is a factor of both 168 and 324.  A 42  B 12  C 84  D 6 | |
| 9 | Ben has Rs 2 200. He gives to his son and to his daughter.  How much does Ben keep for himself?  A Rs 1 430  B  C Rs 770  D Rs 330 | |
| 10 | Sara returns home from school at an average speed of 3 km/h. How long does she take if she walks a distance of 600m? Give your answer in minutes.  A 200  B 1800  C 0.2  D 12 | |
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