

In each of the following questions there is a series of numbers. Find the rule that connects the numbers in each series and write the missing numbers in the brackets.

1. 96 , 69 , 48 , 84 , 24 , 42 , (_ _ _)
 2. 4 , 10 , 22 , 46 , 94 , (_ _ _)
 3. 1 , 3 , 4 , 5 , 7 , 8 , 9 , 11 , (_ _ _)
 4. (_ _ _) , 2.7 , 3.6 , 4.5 , 5.4 , 6.3 , (_ _ _)
 5. 24 , 8 , 13 , 22 , 10 , 11 , 20 , 12 , 9 , 18 , 14 , (_ _ _)
 6. $74 + 8$, $63 - 16$, $52 + 32$, $41 - 64$, $30 + (_ _ _)$
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Fill in the missing numbers in the following series.

7. 53 , 51 , 47 , 41 , (_ _ _) .
 8. (_ _ _) , 6 , 18 , 54 , 162 .
 9. 17 , 19 , 22 , (_ _ _) , 31 .
 10. 3 , 6 , 12 , (_ _ _) , 48 .
 11. 5 , 10 , 20 , 35 , 55 , (_ _ _) .
 12. 96 , 90 , 85 , 81 , (_ _ _) , 76 .
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Each of the following questions has words written in code. Underline the correct answer in the brackets. There is a different code in each question. Here is an example.

13. If 46123785 is CUPBOARD then 835 is (bad , oar , rod , bud).
 14. If 2534798 is MONSTER then 8947 is (stem , must , rest , most , rent).
 15. If 369821 is FORGET then 861 is (rot , got , get , rug , for).
 16. If 248913 is FASTER then 8421 is (east , test , rest , star , safe).
 17. If 72316435 is CONTAINS then 51261 is (stoat , stint , coats , stain , coins).
 18. If 51643521 is RESOURCE then 2351 is (sour , cure , ruse , curt , rose).
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