

# DKC<sup>3</sup> 2017 - Word Problems

## Answer Key

1. The German

2. Jan sends Maria a box with the ring in it and one of his padlocks on it.  
Upon receipt Maria affixes her own padlock to the box and mails it back with both padlocks on it.  
When Jan gets it, he removes his padlock and send the box back to Maria.

3. THURSDAY

4. 25,200

5. 7

6. Full House

7.

1. stone – stole
2. eight – light
3. peace – place
4. save – sale or lave
5. prank - plank

8. 50

9.

23	18	19
16	20	24
21	22	17

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10. A or 471

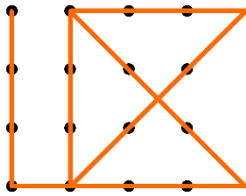
11. You

12. Tangent

13. \$1,000 profit

14. a or Angered

15. One possible answer:



16. Wednesday

17. The letter I

18. 3, 6, and 17

19.

Group 1	Group 2	Group 3	Group 4
457	532	349	713
168	217	218	106
375	251	433	181

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## Answer Key

20. a) 20

b) 13

c) 5

21. 96%

22.

1. <i>Jack Club</i>	2. <i>Ace Diamond</i>	3. <i>Ace Spade</i>	4. <i>Jack Heart</i>
5. <i>King Spade</i>	6. <i>Queen Heart</i>	7. <i>Queen Club</i>	8. <i>King Diamond</i>
9. <i>Ace Heart</i>	10. <i>King Club</i>	11. <i>Jack Diamond</i>	12. <i>Queen Spade</i>
13. <i>Queen Diamond</i>	14. <i>Jack Spade</i>	15. <i>King Heart</i>	16. <i>Ace Club</i>

23. 6.1

24. 1 hour and 20 minutes

25. 14