

# RBI ASSISTANT 2020 MEMORY BASED (Solutions)

## Solution (1-5):

Months	Persons
January	R
March	Q
April	T
May	U
July	W
August	S
September	P
October	V

S1. Ans.(d)

S2. Ans.(e)

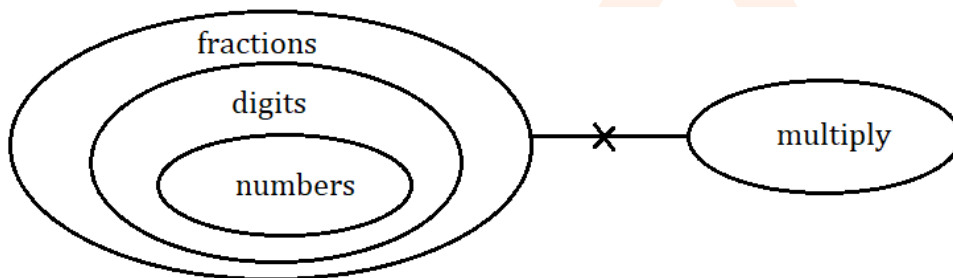
S3. Ans.(c)

S4. Ans.(d)

S5. Ans.(c)

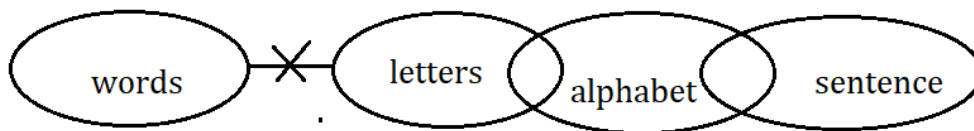
S6. Ans.(b)

Sol.



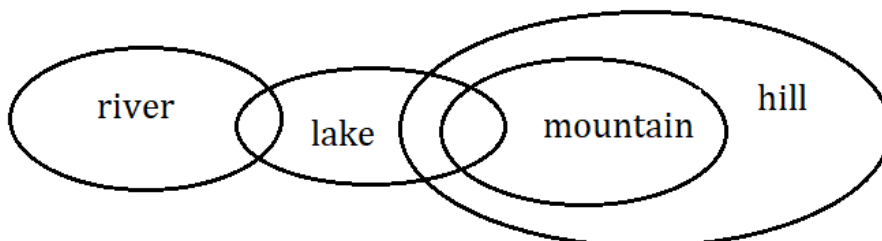
S7. Ans.(e)

Sol.



S8. Ans.(a)

Sol.

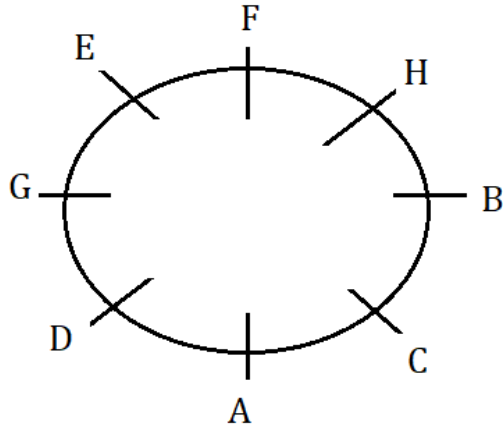


S9. Ans.(d)

Sol.

P L A N T E D

Solutions (10-14):



S10. Ans.(a)

S11. Ans.(b)

S12. Ans.(b)

S13. Ans.(c)

S14. Ans.(b)

S15. Ans.(a)

S16. Ans.(e)

S17. Ans.(c)

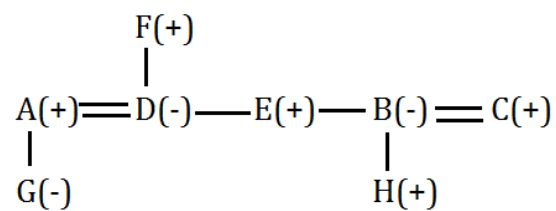
S18. Ans.(c)

S19. Ans.(a)

S20. Ans.(b)

Sol. Two

Solutions (21-23):



S21. Ans.(c)

S22. Ans.(d)



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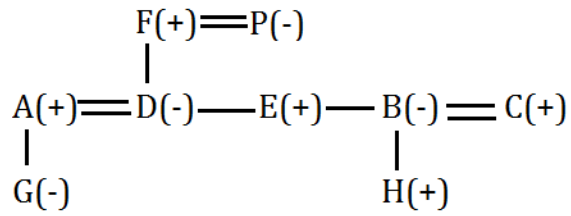
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S23. Ans.(c)

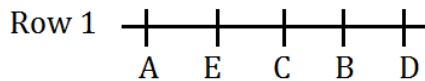
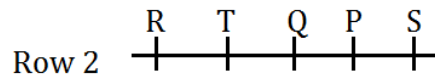
Sol.



S24. Ans.(c)

Sol. One

Solutions (25-29):



S25. Ans.(d)

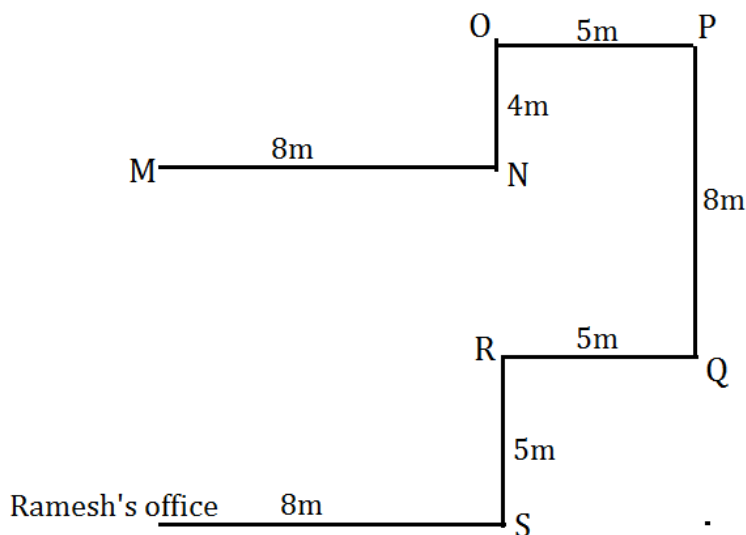
S26. Ans.(b)

S27. Ans.(b)

S28. Ans.(e)

S29. Ans.(a)

Solutions (30-32):



S30. Ans.(b)

S31. Ans.(b)

S32. Ans.(d)



**S33. Ans.(a)**

**Sol. I:**  $B > W$  (True)    **II:**  $E \geq B$  (False)

**S34. Ans.(a)**

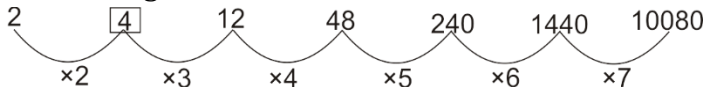
**Sol. I:**  $N \leq H$  (True)    **II:**  $B > J$  (False)

**S35. Ans.(e)**

**Sol. I:**  $L > B$  (True)    **II:**  $N < U$  (True)

**S36. Ans.(b)**

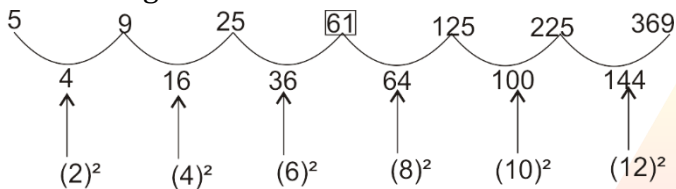
**Sol.** Wrong number = 6



There should be 4 in place of 6.

**S37. Ans.(d)**

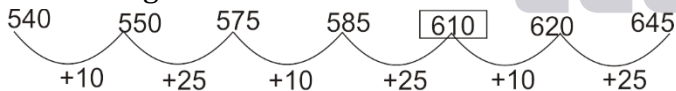
**Sol.** Wrong number = 59



There should be 61 in place of 59.

**S38. Ans.(a)**

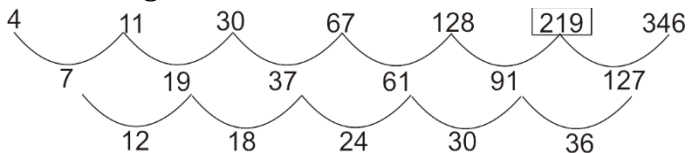
**Sol.** Wrong number = 608



There should be 610 in place of 608.

**S39. Ans.(c)**

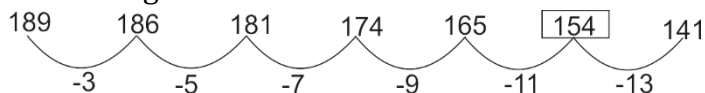
**Sol.** Wrong number = 221



There should be 219 in place of 221

**S40. Ans.(d)**

**Sol.** Wrong number = 155



There should be 154 in place of 155.

**S41. Ans.(d)****Sol.** Sum of 10 numbers =  $35 \times 10 = 350$ Average of remaining 2 number =  $\frac{\{350 - (200 + 66)\}}{2} = 42$ **S42. Ans.(e)****Sol.** Speed of current =  $\frac{4}{2} = 2$  kmph

Speed of boat in still water = 14 kmph

Required time taken =  $\frac{48}{14+2} = 3$  hours**S43. Ans.(a)****Sol.** SP of book =  $600 \times \frac{4}{3} = 800$  Rs.MRP of the book =  $\frac{100}{80} \times 800 = 1000$  Rs.Discount given on the book =  $1000 - 800 = 200$  Rs.**S44. Ans.(c)****Sol.** Let Present age of A and B be  $4x$  years and  $3x$  years respectively.ATQ,  $4x - 3x = 4$  $x = 4$ Present age of B =  $4 \times 3 = 12$  yearsPresent age of C =  $12 - 4 = 8$  years.10 years hence Age of C =  $8 + 10 = 18$  years.**S45. Ans.(c)****Sol.** Let length of the train X be  $2a$  meter.

ATQ

$$15 = \frac{2a+a}{15+72 \times \frac{5}{18}}$$

$$15 = \frac{3a}{35}$$

$$a = 175 \text{ m}$$

So, length of train X =  $2a = 350$  m**S46. Ans.(d)****Sol.** Total toys sold on Monday =  $128 + 120 = 248$ Total toys sold on Wednesday =  $130 + 125 = 255$ Required difference =  $255 - 248 = 7$ **S47. Ans.(d)****Sol.** Total Plastic toys sold on Tuesday and Friday =  $134 + 140 = 274$ Total Wooden toys sold on Wednesday and Friday =  $130 + 130 = 260$ Required percent =  $\frac{274-260}{260} \times 100$ 

$$= \frac{14}{260} \times 100 = 5\frac{5}{13}\%$$

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**S48. Ans.(b)**

**Sol.** Required average =  $\frac{134+125+140}{3} = \frac{399}{3} = 133$

**S49. Ans.(c)**

**Sol.** Total toys sold on Thursday=146+124=270

total toys sold on Friday=140+130=270

Required ratio =  $\frac{270-270}{270} \times 100 = 0\%$

**S50. Ans.(e)**

**Sol.** Number of Wooden toys purchased by female on Wednesday =  $\frac{7}{10} \times 130 = 91$

**S51. Ans.(a)**

**Sol.**

$\frac{45}{100} \times 1600 + ?^2 = 1044$

$?^2 = 324$

$? = 18$

**S52. Ans.(c)**

**Sol.**  $\frac{22}{100} \times 1500 + \frac{22.5}{100} \times 1000 = ?$

$? = 330+225$

$? = 555$

**S53. Ans.(a)**

**Sol.**  $? + 512 = 676 - 43$

$? = 633 - 512$

$? = 121$

**S54. Ans.(d)**

**Sol.**

$? + 820 = \frac{25}{100} \times 6400$

$? = 1600 - 820$

$? = 780$

**S55. Ans.(c)**

**Sol.**

$? + \frac{11}{2} - \frac{10}{3} = 3$

$? = 3 - \frac{11}{2} + \frac{10}{3}$

$? = \frac{5}{6}$



**S56. Ans.(a)**

**Sol.**  $\sqrt{400 + 84} + 18 = ?$

$? = 40$

**S57. Ans.(c)**

**Sol.**  $2^7 = (2)^3 \times (2^2)^2 \div 2^3$

$2^7 = 2^4$

$? = 4$

**S58. Ans.(b)**

**Sol.**  $? = \frac{12}{13} \times 143 \div 6 - 12$

$? = 10$

**S59. Ans.(e)**

**Sol.**  $? = 111 + 11 + 1111 + 11111$

$? = 12344$

**S60. Ans.(e)**

**Sol.**  $75\% \text{ of } 300 - 175 = 70 - ?$

$225 - 175 = 70 - ?$

$? = 20$

**S61. Ans.(b)**

**Sol.**  $(\sqrt{64} + 3)^3 = 750 + ?$

$\Rightarrow ? = (11)^3 - 750 = 581$

**S62. Ans.(a)**

**Sol.**  $\frac{\sqrt{36} \times \sqrt{64}}{4} = ?$

$\Rightarrow ? = \frac{6 \times 8}{4} = 12$

**S63. Ans.(e)**

**Sol.**  $\frac{9800}{45 + 20 \times 2 - 50} = ?$

$\Rightarrow ? = \frac{9800}{35} = 280$

**S64. Ans.(a)**

**Sol.**  $\frac{220 \div 20 \times 135 \div 15}{3} = ?$

$\Rightarrow ? = \frac{11 \times 9}{3} = 33$



**S65. Ans.(c)**

$$\text{Sol. } \frac{4 \times ?}{100} \times 210 + 225 = 351$$

$$\Rightarrow \frac{?}{25} \times 210 = 126$$

$$\Rightarrow ? = 15$$

**S66. Ans.(c)**

**Sol.** Let the length and breadth of rectangle be  $(x+3)$  cm and  $x$  cm. respectively.

ATQ,

$$(x+3) \times x = 180$$

$$x^2 + 3x - 180 = 0 \text{ ----- (i)}$$

After solving, we get

$$x = 12$$

So, side of square = 12 cm

Perimeter of square =  $12 \times 4 = 48$  cm

**S67. Ans.(a)**

**Sol.** Let amount invested by A & B be Rs.  $3x$  & Rs.  $2x$  respectively.

Profit sharing ratio of A to B =  $(3x \times 6) : (2x \times 6)$

$$= 3:2$$

Profit share of B =  $\frac{2}{5} \times 5000 = 2000$  Rs.

**S68. Ans.(a)**

$$\text{Sol. Total SI} = P \times 12 \times \frac{3}{100} = \frac{36P}{100} \text{ Rs.}$$

Effective rate of interest for CI at 15% p.a. compounding annually for 2 years =  $15 + 15 + \frac{(15 \times 15)}{100} = 32.25\%$

$$\text{Total CI} = P \times \frac{32.25}{100} = \frac{32.25P}{100} \text{ Rs.}$$

$$\text{ATQ, } \frac{36P}{100} - \frac{32.25P}{100} = 375$$

$$P = 10000 \text{ Rs.}$$

**S69. Ans.(b)**

**Sol.** Let the total work be 30 units (LCM of 6 and 10)

Efficiency of Shivam = 5 units/hr

Efficiency of Deepak = 3 units/hr

twice of the work = 60 units

$$\text{Required time} = \frac{60}{5+3} = 7\frac{1}{2} \text{ hr}$$



**S70. Ans.(a)**

**Sol.** Ratio of water to that of juice in the initial mixture=6:5

50% of the mixture=44 liter

ATQ,

$$\frac{48-44 \times \frac{6}{11}}{40-44 \times \frac{5}{11} + a} = \frac{4}{5}$$

a = 10 liter

**S71. Ans.(d)**

**Sol.** To validate the answer, refer to the first paragraph, which mentions, "Her parents explained to her, everyday and with great patience, that these things were not monsters. Marina understood her parents, but she could not stop feeling an awful fear whenever it was dark." Referring to the quoted text, we can infer that the statement given in option (d) is most suitable choice in context of the given question. Hence, option (d) is the correct answer choice.

**S72. Ans.(c)**

**Sol.** To validate the answer, refer to the first paragraph, which mentions, "'A great many times, Marina," answered her Aunt, "I remember when I was small and I was terribly afraid of the dark. I couldn't stay in the dark for even a moment'." Referring to the quoted text, we can infer that the statement given in option (c) is appropriate in context of the given question. Hence, option (c) is the most suitable answer choice.

**S73. Ans.(c)**

**Sol.** To validate the answer, refer to the second paragraph, which mentions, "Since blind children can't see, their hands are their eyes. All you have to do to conquer your fear is what they do. Shut the eyes of your face and open the eyes of your hands." As per the information available in the given passage, we can infer that option (c) is the most suitable answer choice.

**S74. Ans.(b)**

**Sol.** To validate the answer, refer to the second paragraph, which mentions, "It was some blind children who taught me how to be brave. They can't see, so if they had never discovered the secret of how not to be afraid of the dark, they would have been forever frightened'." Referring to the quoted text, we can infer that the statement given in option (b) is most suitable in context of the given question. Hence, option (b) is the most suitable answer choice.

**S75. Ans.(c)**

**Sol.** To validate the answer, refer to the last paragraph, which mentions, "She knew she would need to be brave to close her eyes and go and touch whatever it was that was frightening her; but she was willing to try because she was already too old for this." Referring to the quoted text, we can infer that the statement given in option (c) is correct in context of the information available in the passage.

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**S76. Ans.(d)**

**Sol.** Among the given phrases, the most suitable phrase to fill in the blank will be 'opened the eyes of her hands'. The hint can be gathered from the previous statements, where Aunt Valerie mentions that blind children use the eyes of hands. No other phrase could make the statement both grammatically correct and contextually meaningful. Hence, option (d) is the most suitable answer choice.

**S77. Ans.(e)**

**Sol.** Among the given words, 'reflection' can replace 'shadow' to give a similar meaning to the statement, as given in the passage. Hence, option (e) is the most suitable answer choice.

**S78. Ans.(b)**

**Sol.** Put out means "to stop something from burning or shining". Here, it has been used in context of the lights, where 'switch off' can aptly replace to infer the similar meaning. Also, 'extinguish' cannot fit in the given blank as it will make the statement grammatically incorrect. Hence, option (b) is the most suitable answer choice.

Extinguish- to make a fire stop burning or a light stop shining

Blow out- if a flame, etc. blows out, it is put out by the wind, etc

**S79. Ans.(c)**

**Sol.** Among the given words, 'grasp' can replace 'grab' to give a similar meaning. Although other words are synonymous with 'grab' but they would not give the similar meaning to the statement. Hence, option (c) is the most suitable answer choice.

**S80. Ans.(d)**

**Sol.** The most suitable word for the given blank is '**looking**' which fits the blank grammatically and contextually. All the other words are either grammatically incorrect or contextually meaningless. Hence, option (d) is the correct answer choice.

**S81. Ans.(c)**

**Sol.** The most suitable word for the given blank is '**dropping**' which fits the blank grammatically and contextually. All the other words are either grammatically incorrect or contextually meaningless. Hence, option (c) is the correct answer choice.

**S82. Ans.(c)**

**Sol.** The most suitable word for the given blank is '**collect**' which fits the blank grammatically and contextually. All the other words are either grammatically incorrect or contextually meaningless. Hence, option (c) is the correct answer choice.

**S83. Ans.(d)**

**Sol.** The most suitable word for the given blank is '**preparing**' which fits the blank grammatically and contextually. All the other words are either grammatically incorrect or contextually meaningless. Hence, option (d) is the correct answer choice.

**S84. Ans.(b)**

**Sol.** The most suitable word for the given blank is 'blown' which fits the blank grammatically and contextually. All the other words are either grammatically incorrect or contextually meaningless. Hence, option (b) is the correct answer choice.

**S85. Ans.(a)**

**Sol.** In statement (b) Was takes V3 so change 'tore' into 'torn'.

Also, in statement (c) change 'Over' to 'of'.

Here only option (a) is grammatically correct. So correct answer will be option (a).

**S86. Ans.(d)**

**Sol.** All sentences are grammatically correct. So correct answer will be option (d).

**S87. Ans.(c)**

**Sol.** In statement (a) change 'has' to 'have'.

In statement (b) change 'officers' to 'officer'

**S88. Ans.(a)**

**Sol.** In statement (a) 'was' is correct because 'percentage of' takes singular verb

In statement (b) information has no plural form, so remove 's' from 'informations'

In statement (c) change 'over' to 'of'

Here only option (a) is grammatically correct. So correct answer will be option (a).

**S89. Ans.(e)**

**Sol.** In statement (a) change 'it' to 'its'

In statement (b) change 'have' to 'has' as compensation is singular in form.

In statement (c) change 'is' to 'was' as sentence is in past form.

All sentences are grammatically incorrect. So correct option will be (e).

**S90. Ans.(a)**

**Sol.** In the given sentence 'happy' is contextually incorrect because the given sentence is talking about the miseries of the girl. So, instead of 'happy' it should be 'unhappy'. So, the correct answer choice is option (a).

**S91. Ans.(b)**

**Sol.** In the given sentence, 'discipline' is contextually incorrect as it fails to provide meaningful sense to the sentence. Instead it should be 'disciple' which means a follower or pupil of a teacher. Hence, the correct answer choice would be option (b).

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**S92. Ans.(d)**

**Sol.** Usage of 'cruel' is incorrect here because the host had offered him a good breakfast, from this it can be inferred the host was not cruel. So, instead of 'cruel' it should be 'generous'. Hence, the correct answer choice would be option (d).

**S93. Ans.(b)**

**Sol.** In the given sentence 'agreement' is incorrect instead it should be 'arrangement' because the sentence is talking about the kids who placed the rocks on the corner of the tables. Hence, the correct answer choice would be option (b).

**S94. Ans.(d)**

**Sol.** Since the company have cut the salaries of the employees who participated in strike, the employees can not be happy about this. So, instead of 'rejoiced' it should be 'alleged'. Hence, the correct answer choice would be option (d)

**S95. Ans.(d)**

**Sol.** Taking hint from the last part of the sentence it can be clearly seen that the usage of 'shuts' is incorrect instead it should be 'clicks'. Hence, the correct answer choice would be option (d).

**S96. Ans.(d)**

**Sol.** From the given options, only option (d) fits to make a contextually meaningful sentence, remaining options render no meaning to the paragraph. The given sentence talks about the little girl keep a watch at the basket of paddy drying in front of the sun, rest of the options do not fit in the given context other than the mentioned in the answer.

Watching: look at or observe attentively over a period of time.

**S97. Ans.(c)**

**Sol.** From the given options, only option (c) fits to make a contextually meaningful sentence, remaining options render no meaning to the paragraph.

Dived: plunge head first into water with one's arms raised over one's head.

Reached: arrive at; get as far as.

**S98. Ans.(b)**

**Sol.** From the given options, only option (b) fits to make a contextually meaningful sentence, remaining options render no meaning to the paragraph.

Offered: present (something) for (someone) to accept or reject as desired.

Demanded: insist on having

**S99. Ans.(a)**

**Sol.** From the given options, only option (a) fits to make a contextually meaningful sentence, remaining options render no meaning to the paragraph. In the given sentence the crow as a mark of his guilt insists the girl to take the bigger bag which she later finds out to contain gemstones.

**Insisted:** demand something forcefully, not accepting refusal.

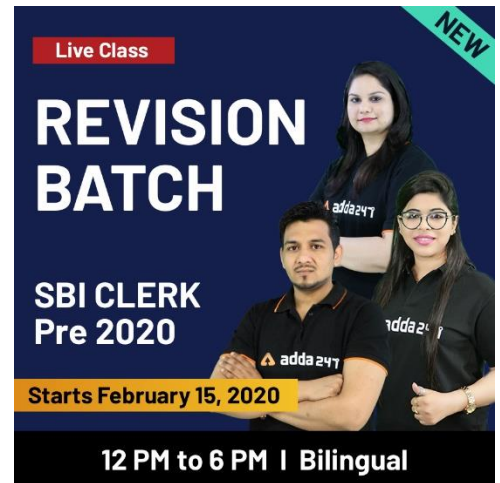
**Trim:** make (something) neat or of the required size or form by cutting away irregular or unwanted parts.

**Surround:** all round a particular place or thing.

**S100. Ans.(d)**

**Sol.** From the given options, only option (d) fits to make a contextually meaningful sentence, remaining options render no meaning to the paragraph. The sentence talks about the neighbours hearing the story of the girl and make their daughter sit outside to watch over drying paddy, hoping they might also find the crow who will make them rich. All the other options present do not make any contextual sense.

**Drying:** a mass transfer process consisting of the removal of water or another solvent by evaporation from a solid, semi-solid or liquid.



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