

# Opportunity Class Placement Test

Thinking Skills

*Explained answers for Practice Test 2*

**Janison.**

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- 1 I will have to do Football on Wednesday as it is not available on Monday or Friday. Any other sport that I do will have to be available on either Monday or Friday, but swimming is not available on either of these days, so **C** is the correct answer.
- 2 The movie cannot be drama or action as Andrew does not like these types of movie. None of the other three friends like cartoons, so the only possible type of movie is comedy, so **A** is the correct answer.
- 3 The coach's claim will be supported by any statement which illustrates that either running or playing tennis every day provides a benefit for chess players. Since chess requires good concentration skills, the fact that regular exercise (such as running or playing tennis every day) improves concentration supports the claim. Therefore, **B** is the correct answer.
- 4 The four columns of the piece all have different heights. To be able to see all four columns, the shape must be viewed from the side which has the two shortest columns alongside it.

When viewed from this side, the tallest column will appear on the right, with the shortest column visible in front of it and the other two columns will appear on the left with the smaller of the two visible in front of the taller. Therefore, **C** is the correct answer.

- 5 There are five positions in the race. Since Blue beat orange, but finished after Yellow they must both have a lower position than Yellow's third place. Green and Red must both have finished ahead of Yellow and we know that Green finished after Red. The final order must be:

Red	Green	Yellow	Blue	Orange
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Therefore, **A** is the correct answer.

- 6 Gabriel has decided that the popular belief cannot be true because he has never seen it happen, but that does not mean that it does not happen at other times. For example, it might be that there are only certain circumstances in which the arrow snake would leap a great distance or pierce the body of its prey with its head in certain circumstances which were not the case on the occasions where Gabriel has seen an arrow snake. Therefore, **C** is the correct answer.
- 7 The rainfall in Chitaquin is higher than that in Fentan in all months. The rainfall in Chitaquin is only lower than that in Shishain in October, but the amount that it is higher than Shishain in May is more than this. So it must be Chitaquin that has the highest total rainfall. The total is:

$$35 + 14 + 7 + 3 + 6 + 26 = 91$$

Therefore, **D** is the correct answer.

- 8 The information in the box tells us that having interesting life experiences is necessary for writing good poetry, but that does not mean that anyone with

interesting life experiences will be able to write good poetry, so Rose's reasoning is incorrect.

Elsie's reasoning is correct as her great aunt must have written good poetry in order to win prizes, so the information in the box tells us that she must have had interesting life experiences.

Therefore, **B** is the correct answer.

- 9 Since their heads are all level, taller people must be on lower steps. The information tells us that both Izzy and Melissa are on lower steps than Caitlin, so Caitlin must be on the highest step. So, it cannot be true that Caitlin is on the middle step and **C** is the correct answer.
- 10 The only sequence that does not follow the rules is option **D** in which there is a triangle, but the second shape after it is not a square.
- 11 Michael's claim will be supported by any statement that shows a benefit to allowing students to choose the book that they study at school. It is likely that students will enjoy reading books that they have chosen more, so it would support the claim if students learn more when they enjoy what they read. So, **D** is the correct answer.
- 12 Since Ralph is the boy on the purple bicycle, he is level with Marcel so the full order is:

Will	Barry	Marcel Ralph
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Therefore, the winner is Will, who is on a green bicycle, so the answer is **A**.

- 13 The times at which only one light is on are:

4am to 5am  
9am to 11am  
4pm to 6pm  
10pm to 11pm

There are no lights on between 11pm and 4am, so the longest period that more than 1 light is on is between 11am and 4pm, which is 5 hours, so **C** is the correct answer.

- 14 It is only the case that most of the girls want to watch *Harry Potter* and most of the boys want to watch *Star Wars*, so splitting the class as Ms Chen suggests does not give everyone the film that they wish to watch. If there are some boys who prefer to watch *Harry Potter* and some girls who prefer to watch *Star Wars* then they could be swapped between the two rooms to give a better solution. Therefore, **B** is the correct answer.
- 15 Each letter of the message has two different letters that it could be replacing, so the two options for each letter are:

W	D	A	N	Z	I	D	T	D	E	U	A	R	N	I	V	E	?
A	H	E	R	D	M	H	X	H	I	Y	E	V	R	M	Z	I	

The message that can be read from these choices is:

WHEN DID THEY ARRIVE?

Therefore, **C** is the correct answer.

- 16** Since the black sections are not permitted to touch, the tile must be white in the positions marked with an X.

		X
X		
	X	

This can only happen if it is the bottom left that is black, so **D** is the correct answer.

- 17** Patricia is assuming that the amount of training that Aditya did was the cause of his success and so thinks that doing a similar amount of training would guarantee success. However, there may be other factors involved in Aditya's success, so **B** is the correct answer.
- 18** The actor's claim will be supported by a statement that shows that there is a benefit gained from performing in a school play or concert. If it is true that performing in front of other people helps to build confidence then this would be a benefit for the children involved, so **D** is the correct answer.
- 19** The total time that the surgery is open during a day is 9 hours. Since each dentist has a 60-minute lunch break, each dentist works for a total of 8 hours each day. It is possible to fit 3 appointments into each hour, so each dentist can do 24 appointments. The total is therefore  $24 \times 3 = 72$ , so **B** is the correct answer.
- 20** Since the purple box only has one neighbour, it must be at the end of the line. From the last sentence we can deduce the following positions on the line:

Purple	Blue				Red
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So, **B** is the correct answer.

- 21** Ms Flint is assuming that the number of detentions is a fair representation of the behaviour of the students. However, it may be that Mr Avery is more likely to give students a detention than Mr Bailey, so **D** is the correct answer.
- 22** The fifth (top) level of the building will appear towards the left of the fourth level. Since the third level is not completely underneath the fourth level (there is some space which is below the fourth level, but is outside of the building), the line showing the boundary of the third level must meet the boundary of the fourth level. No other levels of the building will have this property when viewed from above, so **C** is the correct answer.
- 23** If Shiro had seen everyone wearing yellow then he could be certain that the festival was "The King's Official Birthday". Therefore, the colour that he saw everyone wearing must be either blue or red, so **C** is the correct answer.

**24** If only 10 cards are drawn then it would be possible for them to be all five of each of two colours. If 11 cards are drawn then there are only 4 cards that are not drawn, so at least one of the 5 cards of each colour must have been drawn. So, Lily is correct. If only 6 cards are drawn then it would be possible for them to be all three of each of two numbers, but if 7 cards are drawn then there must be a third number in the set. So, Tom is correct. Therefore, **C** is the correct answer.

**25** The fastest times for the students are:

<i>student number</i>	<i>attempt 1</i> (in seconds)	<i>attempt 2</i> (in seconds)	<i>result</i>
1	25.6	24.1	24.1
2	25.0	26.4	25.0
3	27.4	25.8	25.8
4	25.3	24.9	24.9
5	24.8	26.3	24.8
6	26.1	27.2	26.1
7	26.4	28.1	26.4
8	27.7	26.9	26.9
9	25.8	24.5	24.5
10	25.2	25.6	25.2

The third best result is 24.8 by student 5, so **B** is the correct answer.

**26** Angela's claim will be supported by a statement that shows that swimming helps to strengthen more of your body than running does. Option **A** does this by stating that swimming uses more of the body's muscles.

**27** If the majority of the Bulbo trees in the world are in the Manu Forest then it is true that a randomly chosen Bulbo tree from all those in the world would be more likely to come from Peru than anywhere else, so Ravi's reasoning is correct. However, there may be large numbers of other types of tree in the Manu Forest, so it is not necessarily true that a randomly chosen tree from the Manu Forest is more likely to be a Bulbo tree than any other type, so Luca's reasoning is incorrect. Therefore, **A** is the correct answer.

**28** The layers have widths of 1, 3, 5, 7, 9, 11, 13, 15 and 17. Since all of the options are laid out symmetrically it is possible to observe where particular widths repeat. Only option **A** has the correct set of width, so this is the correct answer.

**29** Since only one of them is telling the truth, either the tiger is telling the truth when claiming that the rabbit is lying or the rabbit must be telling the truth. In either case the owl must be lying when claiming to be innocent, so it must be the owl that stole the Crown Jewels. Therefore, **C** is the correct answer.

**30** In the situation where the ferry operates on Sunday and Monday it would be possible for the Djorlom Bridge to be undamaged, so Robbie's reasoning is not correct. If you don't use the Archer Bridge then you might still be able to cross the river because the bridge might be damaged and so the ferry would be in operation. So, Declan's reasoning is not correct. Therefore, **D** is the correct answer.