International SoM Contest 2026 Grade Two Solutions

1) **B** Regroup the numbers to make the calculation easier.
$7 + 3 + 6 + 4 + 5 + 5 = 10 + 10 + 10$
$= 30$

2) **C** Relocate the numbers to make the calculation easier.
$2 \times 5 \times 6 = 10 \times 6$
$= 60$

3) **A** Arrange the numbers from the least to greatest based on the tens digit: 55, 67, 76.

4) **C** Work backwards from September 30th. If today is September 30th, then yesterday was September 29th. Therefore, three days before yesterday was 29 – 3 = September 26th.

5) **A** The pair that is not birds is dogs. Therefore, the other one is the pair of birds.

6) **D** There are eight pens in one box and Ms. Felix has four boxes. Therefore, she has packed $8 \times 4 = 32$ pens. If each student receives one pen and no pens are left over, there are 32 students in total.

7) **D** The first three composite numbers are 4, 6 and 8. Two, three and five are prime numbers - numbers that have exactly 2 factors, one and itself.

8) **B** Dan is not the shortest. Ana is in between Brian and Dan, so she is not the shortest. Since Cathy is taller than Dan, Brian is the shortest.

9) **B** The difference between the consecutive terms increases by ten: + 10, + 20, + 30, + 40. To get the next term in this sequence, add 50. Therefore, the next term is 100 + 50 = 150.

10) **C** Rephrase the sentence: All of the 14 cupcakes were eaten except 6 . Therefore, 14 – 6 = 8 cupcakes were eaten.

11) **B** A triangle has 3 sides, an octagon has 8 sides, and a hexagon has six sides. Altogether, there are 3 + 8 + 6 = 17 sides.

12) **B** Regroup the numbers to make groups of 10.
$17 - 7 - 9 + 9 + 8 + 12 + 14 - 4 = 10 + 0 + 20 + 10$
$= 40$

13) **C** Jaya spends a total of 15 + 6 + 3 + 18 = 42 minutes getting ready and walking to the restaurant. As there are 60 minutes in one hour, Jaya will arrive at the restaurant at 9:30 am + 42 minutes = 10:12 am.

14) **B** Since October 1st is the first Friday, the second Friday is 1 + 7 = October 8th. Therefore, the second Saturday would be 8 + 1 = October 9th.

15) **B** Sara is 10 years younger than Billy, so Billy is 20 + 10 = 30 years old. Billy is three times Wendy's age, so Wendy is 30 ÷ 3 = 10 years old.

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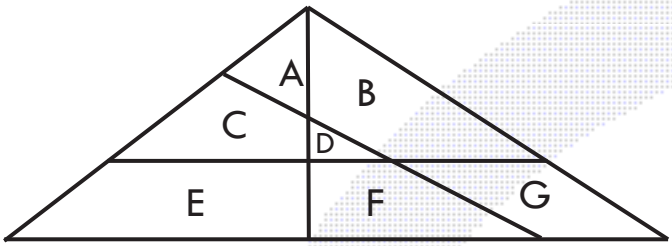
16) **C** Since Peter started at the top of page 14, he didn't read 13 pages. Therefore, Tom read 43 – 13 = 30 pages.

17) **B** Drawing 2 legs on each of the 10 heads gives a total of 2 × 10 = 20 legs. There are 28 – 20 = 8 extra legs which means there are four pairs of extra legs. These pairs will be put on four heads. Therefore, there are 4 tigers and 10 – 4 = 6 eagles.

18) **D** Sid's idea allows Erin to design 4 × 7 = 28 badges. Noor's idea allows Erin to design 1 + 2 + 3 + 4 + 5 + 6 + 7 = 28 badges. Therefore, both ideas will allow Erin to design the same number of badges.

19) **C** Convert the binary number 10111 to base ten. $1 \times 2^4 = 16$, $0 \times 2^3 = 0$, $1 \times 2^2 = 4$, $1 \times 2^1 = 2$, and $1 \times 2^0 = 1$. Add up all the numbers to get 16 + 0 + 4 + 2 + 1 = 23 minutes. You should meet Rob at the park at 11:00 + 23 minutes = 11:23.

20) **B** Label each region of the diagram and use a chart to help you count:



# of Letters	Name of Triangle	# of Triangles
1	A, D	2
2	AC, BD, CD, DF	4
3	ACE	1
4	ABCD, BDFG, CDEF	3
7	ABCDEFG	1
	Total:	11

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