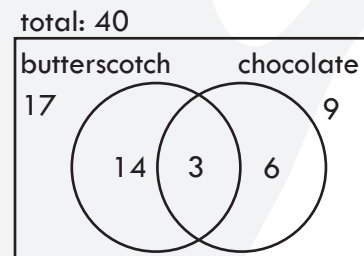


SoM Contest 2025 Grade Two Solutions

- 1) **A** $12 + 7 - 2 + 33$
 $= 12 - 2 + 33 + 7$
 $= 10 + 40$
 $= 50$
- 2) **A** Fifteen minus five is ten. Take away five again and you have five. This is illustrated in option A.
- 3) **B** $697 = 600 + 90 + 7$
 $= 100 + 100 + 100 + 100 + 100 + 100 + 90 + 7$
 Therefore, 697 has 6 hundreds.
- 4) **A** If Rick is 7 years old, Sid is $7 + 3 = 10$ years old.
- 5) **B** There are a total of seven people. Therefore, Aaron will make $7 - 1 = 6$ parallel cuts.
- 6) **A** The only expression given that is written the same forward and backward is 12221.
- 7) **D** 36 is a perfect square, and $36 - 6 = 30$
- 8) **D** In this graph, her highest score is 35 and her lowest score is 15.
 Therefore, the difference them is $35 - 15 = 20$.
- 9) **B** The total length of the plant today is 30 cm. The plant grows 5 cm long in a week. So, in 3 weeks it will be $3 \times 5 = 15$ cm. Therefore, 3 weeks ago, the plant was $30 - 15 = 15$ cm long.
- 10) **C** Abdul did not read the pages before page 24, so he did not read pages 1 to 23. He read $39 - 23 = 16$ pages.
- 11) **A** The lockers start at number 2 and go all the way to 100. Every other number is for the girls: 2, 4, 6, 8, and so on, up to 100.
 If we count all those even numbers, there are 50 lockers for the girls.
- 12) **A** There are 23 children in total. However, when we add 17 children who like butterscotch and 9 children who like chocolate, it gives a total of 26. This means $26 - 23 = 3$ children were counted twice. Therefore, 3 children liked both.
- 13) **C** The first prime number is 2 and the fifth prime number is 11.
 Then, $2 + 11 = 13$.



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- 14) **B** This is a Fibonacci series, each term is the sum of the previous two terms. Therefore, the next term is $8 + 13 = 21$.
- 15) **C** Work backwards to calculate Anya's birthday. Anchor date is March 21st. $21 + 1 - 4 + 2 = 20$. Therefore, Anya's birthday is on March 20th.
- 16) **B** Vin bought one dozen bananas which is equal to 12 bananas. Kim bought two times as many, $12 \times 2 = 24$ bananas. Dan got half of Kim's bananas, which are a total of $24 \div 2 = 12$ bananas.
- 17) **C** Every student high-fived 9 other students for a total of $10 \times 9 = 90$ high-fives were shared. However, each high-five is counted twice. Therefore, there were $90 \div 2 = 45$ high-fives exchanges.
- 18) **C** Count the paths to each intersection going South (down) and East (right). Each intersection is the sum of the two preceding intersections.



Therefore, Maya can take 20 different pathways to school.

- 19) **B** The length of the field is 30 m. The width is half the length, then the width is $30 \div 2 = 15$.
Perimeter = $30 + 30 + 15 + 15$
 $= 90$ m
- 20) **D** Label each region with a letter and use a chart to help you count.

A	B	C	# of letters	Names of rectangles	# of rectangles
D		E	1	A, B, C, D, E, F, G, H, I	9
		F	2	AB, BC, CE, EF, FI, GH, HI	7
G	H	I	3	ABC, ABD, DGH, GHI, CEF, EFI, DEF	7
			4	CEFI	1
			5	ABDEH	1
			6	DEFGHI, ABCDEF	2
			9	ABCDEFGHI	1
Total					28

There are a total of 28 rectangles.