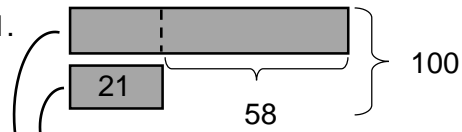


P3:

1. 

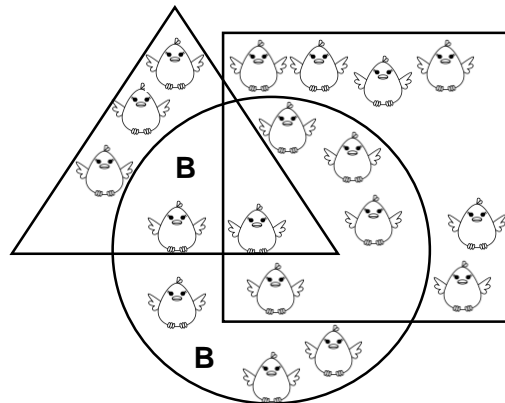
$(100 - 58) \div 2 = 21$
 $21 + 58 = 79$
 The numbers are 21 and 79.

2. The numbers in Column B are multiples of 6. Hence, the number 48 would have been in Column B. Therefore, the number 47 was in Column A.

A	B	C	D	E	F
		1	2	3	4
5	6	7	8	9	10
11	12	13	14	15	16
	18	19	20	21	22
			26	27	28

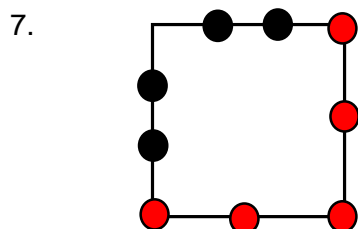
3. Ellen is between Dinah and Cybil, so Ellen is 2nd and Cybil is 3rd.
 Cybil is between Billy and Ellen, so Billy must be 4th.

4. There are 7 birds outside the square and 9 birds outside the circle. Esther needs to draw 2 more birds in the spaces that are inside the circle but not inside the square.



5. $230 - 107 = 123$
 There are $123 \times 2 = 246$ dots altogether.
 $175 - 123 = 52$
 Dot 175 is opposite dot 52.

6. Bala is correct.

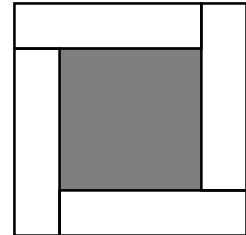


8. If the 1st day is a Wed, then the 8th, 15th, 22nd ... 43rd days are also Wednesdays.
There are $6 + 1 = \underline{7 \text{ Wednesdays}}$

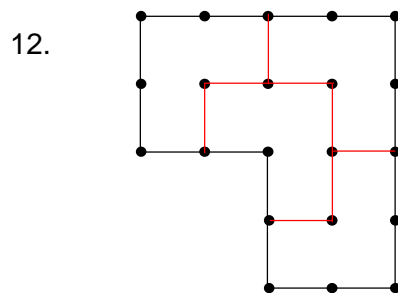
9. For a 50-sided shape, each corner can be linked to
 $50 - 3 = 47$ other corners
Hence 47 diagonals can be drawn from one corner.

10. $39 = 1 \times 39$ or 3×13
The rectangle could be 39 cm by 1 cm, or 13 cm by 3 cm.

Length of square = 10 cm
Length of rectangle has to be more than 10 cm but less than 20 cm.
Hence length of rectangle = 13 cm, not 39 cm.
Then breadth of rectangle = $13 - 10 = 3$ cm
Perimeter of rectangle = $(13 + 3) \times 2 = \underline{32 \text{ cm}}$

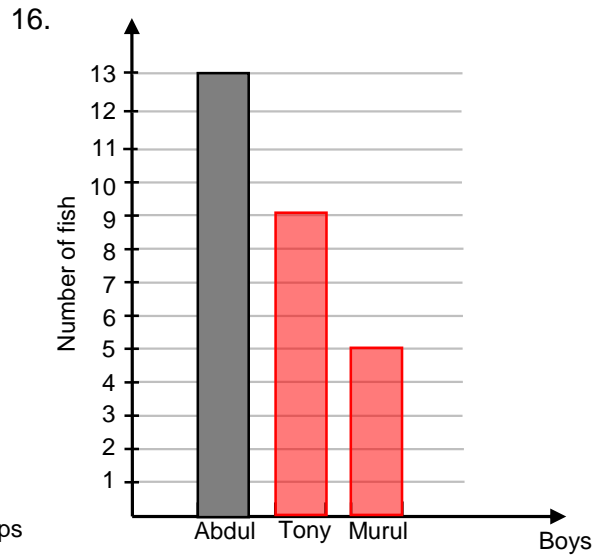
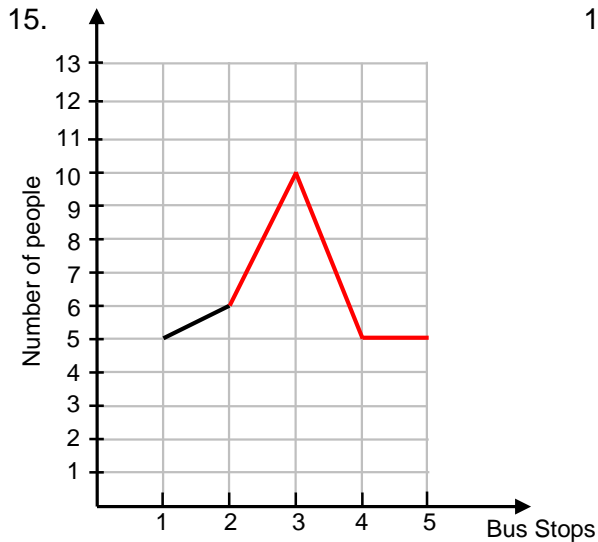


11. $2014 - 1999 = 15$ years
Amelia is 15 years older than Bobby.
Amelia will be twice as old as Bobby when he is 15 years old.
 $2014 + 15 = 2029$
Amelia will be twice as old as Bobby when Bobby is 15 years old in 2029.



13. If Rus is sitting on the left of Val, then Val is opposite Tim, with Rus between them.
Sam is opposite Rus and Tim is on Sam's right.

14. James was ahead of Mariam. Siti was $8 - 6 = 2$ m behind Mariam.
Since Ali was 7 m ahead of Mariam while James was 8 m ahead of Mariam, Ali is 1 m behind James. Therefore, the order was James, Ali, Mariam and Siti. Second in the race was Ali.



Murul has $13 - 8 = 5$ fish
 Tony had $13 - 4 = 9$ fish

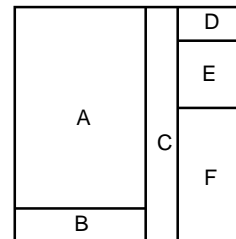
17. Total number of row = $2 + 3 + 1 = 6$
 Total number of column = $2 + 4 + 1 = 7$
 Thus $6 \times 7 = \underline{42}$ desks

18. Comparing $\frac{10}{13}$, $\frac{4}{7}$, $\frac{1}{4}$, $\frac{7}{10}$, each of the fractions are 3 parts short of the whole. The missing pieces are largest when the denominator is the smallest. Therefore, the smallest fraction is $\frac{1}{4}$ and the largest fraction is $\frac{10}{13}$.

$\frac{1}{2}$ is larger than $\frac{1}{4}$ but smaller than $\frac{4}{7}$.

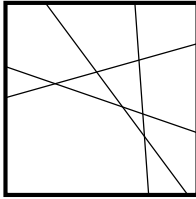
Hence, arranged from smallest to largest: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{4}{7}$, $\frac{7}{10}$, $\frac{10}{13}$

19. Since E is white and white does not touch either pink or green, then A and B are either pink or green. Red and yellow has to be either D or F since they do not touch each other. Therefore, C has to be black.

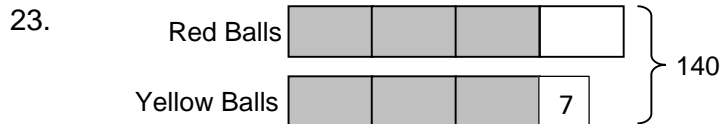


20. Total number that John, Ken and Lionel have = $(25 + 20 + 31) \div 2 = 38$
 Number of books Lionel has = $38 - 25 = 13$
 Number of books Ken has = $38 - 20 = 18$
 Number of books John has = $38 - 31 = 7$
Ken has the most number of books. He has 18 books.

21.



22. Arrange the guesses in ascending order: 24 25 ✕ 27 ✕ 29 ✕ 31
 The answer is 27 since 25 and 29 are wrong by 2; and 24 is wrong by 3; and 31 is wrong by 4. Therefore, it was David who guessed correctly.



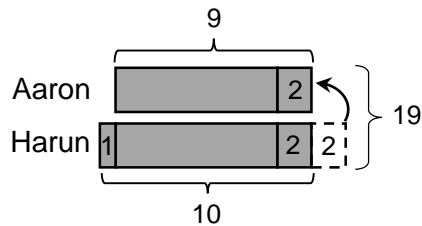
$$7 \text{ units} = 140 - 7 = 133$$

$$1 \text{ unit} = 133 \div 7 = 19$$

$$3 \text{ units} = 3 \times 19 = 57$$

$$\text{Number of yellow balls} = 57 + 7 = \underline{64}$$

24. After:



$$19 - 1 = 18$$

$$18 \div 2 = 9$$

After giving the coins, Aaron has 9 coins and Harun has $9 + 1 = 10$ coins
 Before giving the coins, Aaron has $9 - 2 = 7$ coins and Harun has $10 + 2 = \underline{12 \text{ coins}}$

25. The top scorer for Mathematics is a girl, hence it has to be either Evelyn or Mary. However, since Mary did not do well for Mathematics, then the top scorer for Mathematics is Evelyn. Terence, who is not good at English, does not have a twin, so he is not the History top scorer. Hence, Terence is the top scorer for Science. Mary, who did not do well for History, is the top scorer for English. Finally, the top scorer for History is Bobby.

	Bobby	Terence	Evelyn	Mary
Mathematics	x	x	✓	x
English	x	x	x	✓
History	✓	x	x	x
Science	x	✓	x	x