

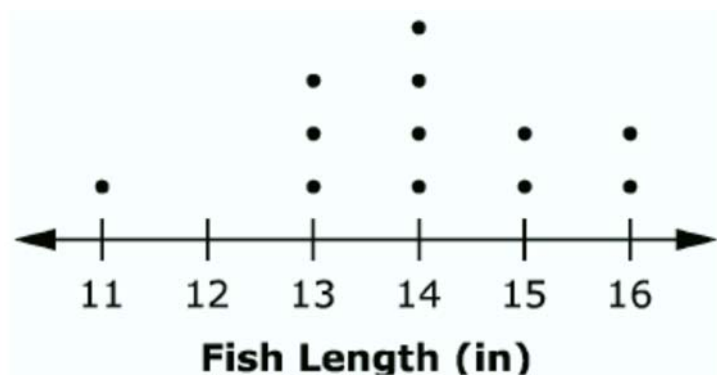
7th Grade Summer Math Packet Answers

1. Equal to 5.42: (2.71×2) ; $(9.53 - 4.11)$, and $(2.36 + 3.06)$
Not Equal to 5.42: $(2.16 + 3.36)$; (1.80×3) ; and $(8.01 - 2.69)$

2. $2\frac{7}{8}$ laps

3. 16 to 30 trees and 3 elm trees for every 2 pine trees

4.



5. A fraction less than 1 in A.
A fractions greater than or equal to 1 in B.

6. April 14

7. a) 15

b) 12

8. *Sample Answers*

- $6 > -6$
- $-3 < |-2|$
- $7 = |-7|$

9. a. Robert's claim is incorrect. *Sample explanations:*

- He subtracted 7 from 15 instead of -7
- He added 15 and -7 instead of subtracting -7 from 15
- He didn't take into account the fact that -7 is 7 below zero and 15 is 15 above zero.

b. 15

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10.

- A line segment from point A (-5, 2) to the point (7, 2)
- A line segment from point (-5, 2) to the point B (1, 6)
- A line segment from point nB(1, 6) to the point (7,2)

11. Same Readings: 35.996 g; 36.004 g, and 36.102 g
Different Readings: 36. 011 g; 34.309 g; and 35.689 g

12. Equivalent to $8(t + 4)$: $8t + 32$ and $(8 \times t) + (8 \times 4)$
Equivalent to $8t + 4$: $4(2t + 1)$; $4t + 4 + 4t$; and $2(4t + 2)$

13. $\frac{2}{5}$ of the total tiles being red; $\frac{2}{5}$ of the total tiles being blue; and $\frac{1}{5}$ of the total tiles being green

14. $\frac{4}{5}$ in the top box; $\frac{1}{2}$ in the middle box; and $\frac{2}{5}$ in the bottom box

15. *Possible solutions*: 2 units by 18 units; or 3 units by 12 units; or 4 units by 9 units

16. 25 sections of the model shaded to represent 2.5 meters of wire... and 01. m more wire needed

17. $(-a, b) = (-2, 3)$; $(a, -b) = (2, -3)$; $(-c, -d) = (4, -2)$

18. B

19. Variability in Data: "How many pets does each 6th grader have? And "how old are the animals at the zoo?"

No Variability in Data: "How old is the athlete?"; "How many 6th graders attend our school?"; and "How many baseball cards does the boy have?"

20. 15 lb

21. $8\frac{1}{2}$ inches