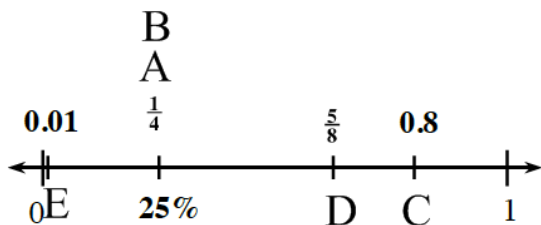**Pre-Algebra Set 4 Answers 2019**

1.

2. a) T   b) E   c) E   d) T   e) T   f) E

3. a) $\frac{1}{2}$ b) $\frac{2}{3}$

4. a) 40%   b) $\frac{9}{20}$ c) 36%   d) $1\frac{1}{5}$ e) 150%

5. 16 blue marbles

6. a) 18 m^2 b) 117 m^2 c) 96 cm^2

7. 2 purple, 3 orange, 1 yellow, 4 green

8. a) $\frac{1}{3}$ b) 28 "not blue" marbles need to be added to the bag.

9. a) mean and median are both 8   b) mean and median are both 12
   c) mean is 4, median is 4.5 or $4\frac{1}{2}$

10. a) Many possible answers, as long as exactly half of the toys are teddy bears

   b) Many possible answers to make P(teddy) = 50%. You want half of the toy to be teddys, <u>after</u> you add or take away animals.

11. a) $\frac{1}{4}$ 25%   0.25   b) $\frac{1}{5}$ 20%   0.2   c) Situation a

12. a) 30 adults   b) 24 prizes were not dolls

6. 82   **7. a)** 84 inches b) 36 inches   **8.** $3.15

9. a) mean = 14 cm   **b)** median = 14 cm   **10.** *Estimate* = ~15 weeks, *Answer* = $125

11. 2 purple, 3 orange, 1 yellow, 4 green   **12. a)** Perimeter = 34.5 in., Area = 47 in^2
                                                                       b) Perimeter = 26.5 mm, Area = 24 m^2

13. a) 3 feet   **b)** 6 feet   **c)** 12 feet

14. a) No, only that it's between 70-75 mph   **b)** 50-65 mph, <u>or</u> 50-55 mph   **c)** $\frac{2}{16}$ or $\frac{1}{8}$

                              16. a) 18 m^2 **b)** 36 ft^2 **c)** 96 cm^2

17. 210 cubes