

## Lesson #120

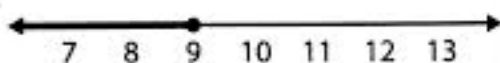
1.

$$x + 3 \leq 12$$

$$x \leq 9$$

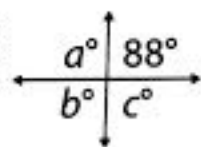
She can give away 9 or less passes.

7.EE.4



2.

7.G.5



$$a = 92^\circ$$

$$b = 88^\circ$$

$$c = 92^\circ$$

3.

7.SP.8

24 outfit combinations

4.

7.NS.1

A)  $-10 + (-15)$

B)  $10 + (-15)$

5.

7.EE.3

Yes, it's reasonable.

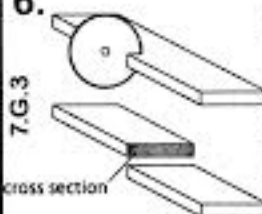
$$30 \times 8 = 240 \text{ or}$$

$$\text{Actual: } (200 \times 1.2) \div 8 = \$30$$

$$\$240 \div 8 = \$30$$

6.

7.G.3



Answers will vary.

Cross section -- free formed after you cut through a 3-D object.

7.

7.RP.3

18.8% increase

8.

7.SP.6

	Color	Quantity	Fraction	Relative Frequency
20	Red	9	$\frac{1}{4}$	$\frac{9}{36} = \frac{1}{4}$
20	Yellow	18	$\frac{1}{2}$	$\frac{18}{36} = \frac{1}{2}$
10	Blue	3	$\frac{1}{12}$	$\frac{3}{36} = \frac{1}{12}$
20	Green	6	$\frac{1}{6}$	$\frac{6}{36} = \frac{1}{6}$

$$\frac{20}{80} = \frac{1}{4}$$

9.

7.G.4

$$A = \pi r^2$$

$$706.5 = \pi r^2$$

$$r = 15 \text{ mm}$$

$$\sqrt{225} = \sqrt{r^2}$$

$$15 = r$$

10.

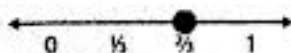
7.NS.2

-0.80

11.

7.SP.5

$$P(\text{black}) = \frac{4}{6} \text{ or } \frac{2}{3}$$



12.

7.SP.4

- (A) The floral club members are generally older than the bird watchers.
- (B) People in their 60s are less interested in bird watching than they are in flower growing.
- (C) Many in the floral club are also in the bird club.