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Ratio Worksheet-4

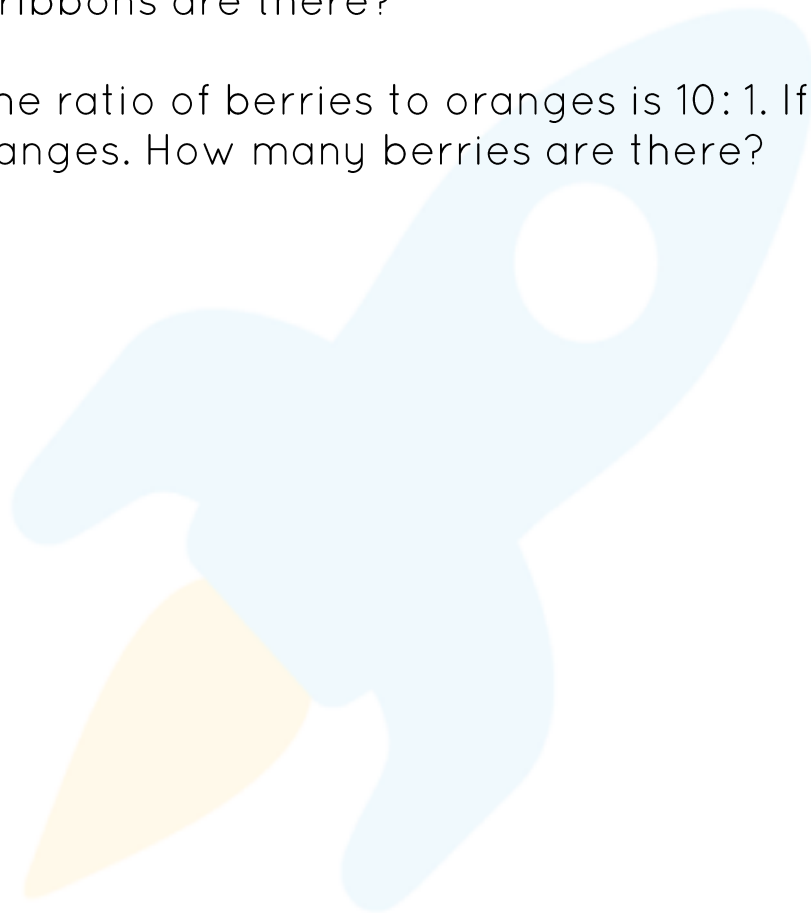
In the national park, the ratio of black bears to grizzly bears is 3:1

- 1) If there were 24 black bears, how many grizzly bears would there be?
- 2) If the park had 12 grizzly bears, how many black bears would it have?
- 3) If the total number of black and grizzly bears was 20. How many black bears and how many grizzly bears would it have?
- 4) If the given set of ratios is equivalent, find the unknowns.
 - a) $14:42=2:x$
 - b) $4:y=32:40$
- 5) Andrew and Jack have cricket bats of weights 2.48 pounds and 1.96 pounds respectively. Represent their weights in ratio of simplest form.



- 6) If $A:B=2:3$ and $B:C=4:5$, what ratio does A share with C?
- 7) The number 84 share a certain ratio with the number 21. In the same way, the number 16 share the same ratio with which number?

- 8) If it rains 19 days out of the 171 days that were surveyed, find the ratio of the number of days it didn't rain to the number of days the survey was conducted.
- 9) The black ribbons to white ribbons ratio is 7 to 14. If there are a total of 70 black ribbons, then how much white ribbons are there?
- 10) The ratio of berries to oranges is 10:1. If there are 25 oranges. How many berries are there?



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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

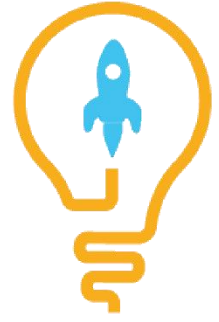
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	8
2)	36 black bears
3)	15 black bears and 5 grizzly bears
4)	a) $x=6$ b) $y=5$
5)	62:49
6)	8:15
7)	64
8)	8:9
9)	140
10)	250 berries

FUN FACT

1. 1.618033..... is the golden ratio.
2. Ratio can be used to compare the sizes of two bodies.
3. In ratio, the first term is called antecedent and the second term is consequent.

