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Equivalent Ratios Worksheets 6th Grade

- Find out whether the given set of ratios are equivalent or not:
 - $4:7$ and $3:7$
 - $9:2$ and $18:4$
- If the given set of ratios is equivalent, find the unknowns.
 - $14:42 = 2:x$
 - $4:y = 32:40$
- Express each ratio as a fraction in the simplest form.
 - 4 pens to 12 pens
 - 88 miles to 176 miles
- If $A:B = 2:3$, $B:C = 4:5$, what ratio does A share with C?
- If the speed of a superbike is 63 miles per hour and that of a car is 49 miles per hour. Find the ratio of their respective speeds.
- 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?

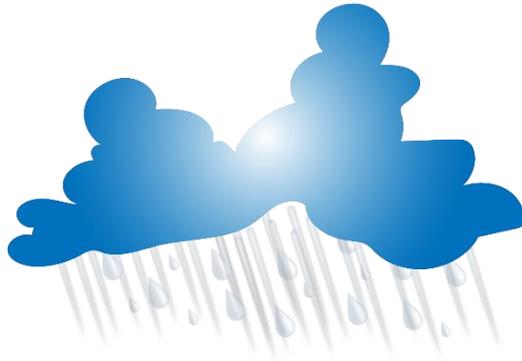
7. Ron went to a book stall. He bought history and literature books in the ratio $7:4$. If he bought a total of **33** books, find the number of history books bought by him.



8. In a class room there are **56** boys and **72** girls, find the ratio of girls to the total number of students.
9. Andrew and Jack have cricket bats of weights **2.48** pounds and **1.96** pounds respectively. Represent their weights in ratio of simplest form.



10. The number of rainy days is 8 times the number of sunny days. Write the ratio of rainy days to sunny days.



**When you learn math
in an interesting way,
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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- 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) A) No B) Yes	6) 64
2) A) 6 B) 5	7) 21
3) A) $\frac{1}{3}$ B) $\frac{1}{2}$	8) 9:16
4) 8:15	9) $\frac{62}{49}$
5) 9:7	10) 8:1

FUN FACT

1. To add two or more decimal numbers, they are changed to like decimals first
2. To find the difference between any two decimal numbers, they are changed to like decimals first
3. Like decimals are decimal numbers with the same number of digits after the decimal point.

