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| --- | --- | --- | --- |
| Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  | Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Ratios**

**Write each ratio in THREE ways.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 1. | 10 black marbles and 4 blue marbles  **ratio of all the marbles to blue marbles** | | |  |  | | --- | --- | | 2. | 15 black marbles and 17 blue marbles  **ratio of blue marbles to all the marbles** | |
| |  |  | | --- | --- | | 3. | 17 blue marbles, 10 violet marbles, 8 red marbles, and 16 yellow marbles  **ratio of red marbles to violet marbles** | | |  |  | | --- | --- | | 4. | 18 black marbles, 11 blue marbles, and 12 brown marbles  **ratio of black marbles to blue marbles** | |
| |  |  | | --- | --- | | 5. | 5 black marbles, 17 blue marbles, 10 brown marbles, and 12 white marbles  **ratio of white marbles to all the marbles** | | |  |  | | --- | --- | | 6. | 11 blue marbles and 17 brown marbles  **ratio of all the marbles to blue marbles** | |
| |  |  | | --- | --- | | 7. | 10 black marbles, 12 blue marbles, 7 brown marbles, and 19 white marbles  **ratio of black marbles to brown marbles** | | |  |  | | --- | --- | | 8. | 15 purple marbles, 3 pink marbles, and 12 gray marbles  **ratio of purple marbles to all the marbles** | |
| |  |  | | --- | --- | | 9. | 15 black marbles and 11 blue marbles  **ratio of black marbles to blue marbles** | | |  |  | | --- | --- | | 10. | 11 black marbles and 16 blue marbles  **ratio of black marbles to blue marbles** | |