

Fractions Equal Fun

Use equivalent fractions and the information in the table for 1–6.

Marble Collections				
Friend	Steve	Kim	Mary	Damon
Fraction of Marbles That Are a Solid Color	$\frac{1}{8}$	$\frac{2}{3}$	$\frac{1}{6}$	$\frac{3}{4}$
Fraction of Marbles That Are Striped	$\frac{7}{8}$	$\frac{1}{3}$	$\frac{5}{6}$	$\frac{1}{4}$

1. If Steve has 16 marbles, how many are a solid color?

2. If Damon has 20 marbles altogether, how many of them are striped?

3. If Kim has 12 solid-color marbles, how many marbles does she have altogether?

4. If Mary has 10 striped marbles, how many marbles does she have altogether?

5. **What if** Mary has 15 striped marbles? How many solid-color marbles does she have?

6. If Steve has 4 solid-color marbles, how many marbles does he have altogether?

7. **Stretch Your Thinking** Ann arranges her marbles in groups, with 8 marbles in each group. She writes the fraction $\frac{5}{8}$ to show the fraction of marbles in each group that is red. What equivalent fraction names the fraction of marbles in 6 groups that are red? **Explain.**
