

Dividing Fractions & Mixed Numbers Word Problems

1. One teacher wants to give each student $\frac{7}{16}$ of a slice of pizza. If the teacher has 7 slices of pizza, then how many students will she be able to hand out pizza to?
2. If a turtle can move $1\frac{3}{14}$ miles every hour, then how many hours would it take for a turtle to go 34 miles?
3. Peter wants to make cupcakes. To make cupcakes, he needs $1\frac{2}{9}$ cups of flour per batch of cupcakes. If Peter has 11 cups of flour, then how many batches of cupcakes can Peter make?
4. Keith is cutting bows out of ribbon which will be used to wrap gifts. If Keith needs $\frac{1}{17}$ of a foot of ribbon to make a bow, and he has 10 feet of ribbon, then how many bows can Keith make?
5. In her backyard, Sally is planting rows of tomatoes. To plant a row of tomatoes, Sally needs $\frac{1}{2}$ a square foot. There are 8 square feet in Sally's backyard, so how many rows of tomatoes can Sally plant?
6. A group of friends decided to buy bulk chocolate from a candy store. If some friends each want $\frac{6}{7}$ of a kilogram of chocolate of the 18 kilograms they purchased, then how many people can get a share of the chocolate?
7. A track coach wants her athletes to race 8 miles around a track to measure how fast each person can run. If the track is $\frac{1}{8}$ of a mile around, then how many laps around the track will the athletes have to run to complete the race?
8. One school purchased 17 gallons of yellow paint to decorate several of its classrooms. If each classroom needs $2\frac{1}{8}$ gallons of paint, then how many classrooms will get painted?
9. Mike made 34 pints of hot chocolate for his friends. If each of Mike's mugs holds $1\frac{4}{13}$ pints of liquid, then how many friends will get hot chocolate?