Which of these problems can be solved by multiplying the fractions? Which can be solved by dividing the fractions? Draw bar diagrams to show the type of problem:

Two thirds of the batch of cookies have food coloring added. The colored cookies have 3/4 cup of sugar. How much sugar is in the whole batch?	Two thirds of the batch of cookies have food coloring added. The colored cookies have 3/4 cup of sugar. How much sugar is in the plain cookies?
Two thirds of the batch of cookies have food coloring added. The whole batch of cookies has 3/4 cup of sugar. How much sugar is in the colored cookies?	Two thirds of the batch of cookies have food coloring added. There is 3/4 cup more sugar in the colored cookies than in the plain cookies. How much sugar is in the whole batch?
There is 2/3 as much chocolate ice cream as vanilla in the ice cream cake. There is 2/5 gallon of chocolate ice cream. How much vanilla ice cream is there?	There is 2/3 as much chocolate ice cream as vanilla in the ice cream cake. There is 2/5 gallon of chocolate ice cream. How much ice cream is there in all?
There is 2/3 as much chocolate ice cream as vanilla in the ice cream cake. There is 2/5 gallon of vanilla ice cream. How much chocolate ice cream is there?	There is 2/3 as much chocolate ice cream as vanilla in the ice cream cake. There is 2/5 gallon of vanilla ice cream. How much ice cream is there in all?