

Thursday

HARD

Use repeated addition to solve these fraction multiplication word problems.

Can you convert your answer from an improper fraction into a mixed number?

1. A dime is $\frac{1}{2}$ inch wide. If you put 5 dimes end to end, how long would they be from beginning to end?
2. You have 10 cookies and want to give $\frac{1}{2}$ of them to a friend. How many do you give to your friend?
3. You have 8 donuts and you want to give $\frac{1}{4}$ of them to a friend. How many donuts would your friend get?
4. You have 6 donuts and you want to give $\frac{2}{3}$ of them to a friend and keep the rest for yourself. How many donuts would your friend get?
5. Five friends buy a package of 12 cookies and want to share them equally. Each friend will get $\frac{1}{5}$ of the cookies. How much will each friend get?

HARDER

Ensure you write your answer as a mixed number.

A water pitcher could hold $\frac{1}{2}$ of a gallon of water. If Kaleb filled up 3 pitchers, how much water would he have?

On Monday Adam picked up $\frac{2}{8}$ of a pound of cans to recycle. On Tuesday he picked up $\frac{2}{5}$ that amount. How many pounds did Adam pick up on Tuesday?

A chef cooked 4 kilograms of mashed potatoes for a dinner party. If the guests only ate $\frac{3}{8}$ of the amount he cooked, how much did they eat?

At the malt shop a large chocolate shake takes $\frac{4}{8}$ of a pint of milk. If the medium shake takes $\frac{1}{3}$ the amount of a large, how much does the medium shake take?

A baby frog weighed 4 ounces. After a month it was $2\frac{4}{6}$ times as heavy, how much did the frog weigh after a month?

Thursday

HARDEST

Remember to convert all mixed numbers to improper fractions before solving!

A baby frog weighed $4\frac{4}{9}$ ounces. After a month it was $2\frac{4}{6}$ times as heavy, how much did the frog weigh after a month?

A box of markers weighed $4\frac{1}{3}$ ounces. If a teacher took out $\frac{4}{9}$ of the markers, what is the weight of the markers she took out?

A single box of thumb tacks weighed $2\frac{3}{5}$ ounces. If a teacher had $4\frac{2}{7}$ boxes, how much would their combined weight be?

A country road was $3\frac{2}{4}$ miles long. If $\frac{1}{2}$ of it was paved with cement how long was the paved part?

John had a lump of silly putty that was $3\frac{3}{8}$ inches long. If he stretched it out to $2\frac{1}{6}$ times its current length how long would it be?

HERCULEAN

Remember to convert all mixed numbers to improper fractions before solving!

1. The combined weight of two baby frogs is $8\frac{5}{6}$ ounces. One of them weighs $\frac{4}{7}$ of this amount. How much does each one weigh?
2. A box of markers weighed $4\frac{5}{7}$ ounces. If a teacher took out $\frac{5}{11}$ of the markers, what is the weight of the markers she took out? What is the weight of those left in?
3. A single box of thumb tacks weighed $3\frac{3}{9}$ ounces. What is the maximum number of boxes the teacher could have with a combined weight of under 25 ounces?
4. A country road was $5\frac{3}{4}$ miles long. If $\frac{1}{3}$ was covered in tarmac and $\frac{1}{4}$ was covered in gravel, how many miles were just a dirt track?
5. John had a lump of silly putty that was $4\frac{7}{9}$ inches long. If he stretched it out $3\frac{4}{5}$ times its current length, how long would it be?