



Whole Number x Mixed Number Models

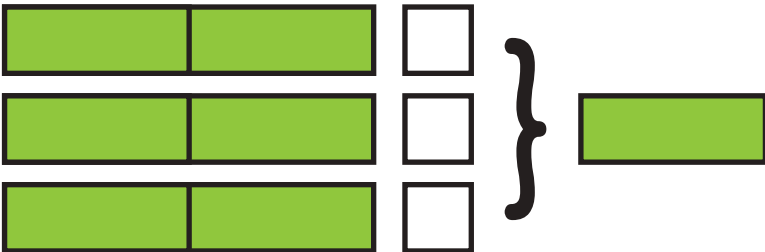
Materials: cuisenaire rods

1. Write a story context to illustrate $3 \times 2\frac{1}{4}$.
2. Use cuisenaire rods to model and solve the problem.
3. Show your work using pictures, numbers and words.
4. Write and solve 3 more word problems in which a whole number is multiplied by a mixed number. Show and explain how you can model each problem using cuisenaire rods.

Example: Jack poured 3 jugs of juice. Each jug contained $2\frac{1}{3}$ liters of juice. How much juice did Tom pour?

 I gave the light green rod the value of 1, so the white rod represents $\frac{1}{3}$.





I modeled $3 \times 2\frac{1}{3}$ using the green and white rods. I joined the three white rods to make another green rod, giving me 7 green rods.

$$3 \times 2\frac{1}{3} = 7$$