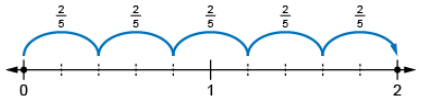
Number

Activity 16 Assessment

Multiplying Natural Numbers by Proper Fractions

Multiplication with Proper Fractions

Models multiplication situations concretely and pictorially.	Uses models and think-addition strategies, to solve multiplication problems.	Relates multiplication of a natural number by a unit fraction to division.	Flexibly solves multiplication problems.
$4 \times \frac{3}{5} = ?$  "I modelled the multiplication with fraction strips, then counted fifths: $4 \times \frac{3}{5} = \frac{12}{5}$, or $2\frac{2}{5}$" *(« J'ai modélisé la multiplication avec des bandes de fractions, puis j'ai compté les cinquièmes :* *$4 \times \frac{3}{5} = \frac{12}{5}$, ou $2\frac{2}{5}$.)*	$5 \times \frac{2}{5} = ?$  "I know that multiplication is like repeated addition, so I used a number with each whole partitioned into fifths, then took 5 jumps of two-fifths: $5 \times \frac{2}{5} = 2$" *(« Je sais que la multiplication est comme une addition répétée, j'ai donc utilisé un nombre dont chaque tout est divisé en cinquièmes, puis j'ai fait 5 sauts de deux cinquièmes :* *$5 \times \frac{2}{5} = 2$. »)*	$4 \times \frac{1}{5} = 4 \div 5$	$5 \times \frac{3}{4} = \frac{5 \times 3}{4}$ $= \frac{15}{4}$ $= 3\frac{3}{4}$

Observations/Documentation