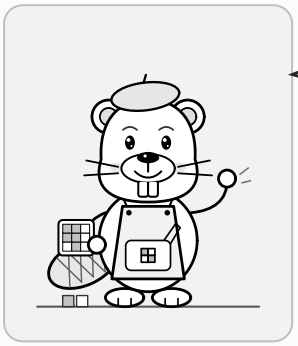
Name : _____ Date : _____

PAPILUMO / 4th Grade (ages 9–10) • Answer key

Multiply a Fraction by a Whole Number

Use the repeated shaded bars to write each product fraction. When the result is greater than 1, convert it to a mixed number too.



Tip: N × a/b keeps the same denominator b (part size) and multiplies a by N.

Mina the mosaic beaver lines up matching tile strips: count all the shaded parts!

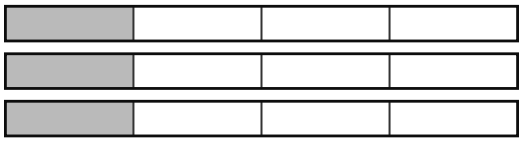
Worked example: 3 × 2/5 = 2/5 + 2/5 + 2/5 = 6/5 = 1 1/5



$$3 \times \frac{2}{5} = \frac{2}{5} + \frac{2}{5} + \frac{2}{5} = \frac{6}{5} = 1\,\frac{1}{5}$$

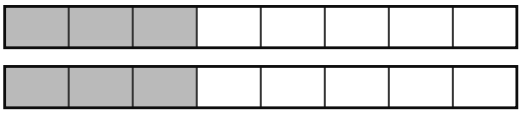
1. Multiply using the repeated shaded fraction bars (A–F)

A 3 strips of 1/4



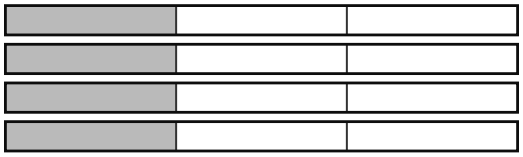
$$3 \times \frac{1}{4} = \frac{3}{4}$$

B 2 strips of 3/8



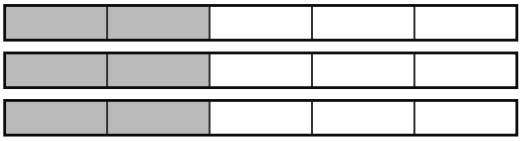
$$2 \times \frac{3}{8} = \frac{6}{8}$$

C 4 strips of 1/3



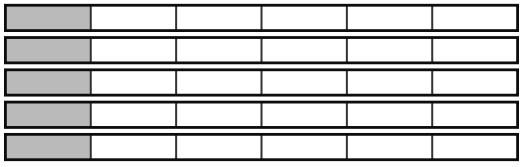
$$4 \times \frac{1}{3} = \frac{4}{3} = 1\,\frac{1}{3}$$

D 3 strips of 2/5



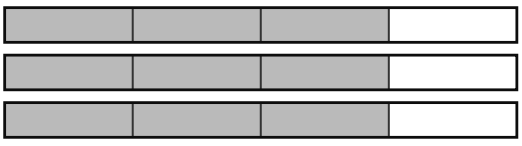
$$3 \times \frac{2}{5} = \frac{6}{5} = 1\,\frac{1}{5}$$

E 5 strips of 1/6



$$5 \times \frac{1}{6} = \frac{5}{6}$$

F 3 strips of 3/4



$$3 \times \frac{3}{4} = \frac{9}{4} = 2\,\frac{1}{4}$$

Mina's tip: keep the denominator of one single bar; count all shaded parts for the numerator, then regroup wholes if numerator > denominator.