*Follow this sheet to revisit a topic from year 5 maths. Complete as much as you feel confident doing.*

# Warm up

# L.O: Multiply fraction by integer.

To multiply fractions (those less than 1) by an integer (whole numbers) you need to follow the method.

Numerator multiplied by integer, place the answer on top of the original denominator (it will not change).

You can then try and convert it to a mixed number if the answer is improper.

Take a look at-
https://www.youtube.com/watch?v=mJUvxRy-flQ

Copy and complete into your exercise book.

**1** Complete the calculations.
Use the bar models to help you.

a)

$\frac{1}{5} + \frac{1}{5} + \frac{1}{5} =$ ☐          $3 \times \frac{1}{5} =$ ☐

b)

$\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} =$ ☐          $4 \times \frac{1}{7} =$ ☐

**3** Complete the calculations.

a) ☐ $\times \frac{1}{3} = \frac{2}{3}$          e) $\frac{1}{8} \times$ ☐ $= 1\frac{3}{8}$

b) ☐ $\times \frac{1}{3} = 1$          f) ☐ $\times \frac{1}{2} = 3\frac{1}{2}$

c) ☐ $\times \frac{1}{7} = 1$          g) ☐ $\times \frac{1}{3} = 3\frac{1}{3}$

d) $\frac{1}{7} \times$ ☐ $= 1\frac{3}{7}$          h) $\frac{1}{4} \times$ ☐ $= 3\frac{1}{4}$

**2** Complete the multiplications.

a) $3 \times \frac{1}{8} =$ ☐          e) $\frac{1}{5} \times 4 =$ ☐

b) $3 \times \frac{1}{10} =$ ☐          f) $\frac{1}{9} \times 8 =$ ☐

c) $\frac{1}{8} \times 5 =$ ☐          g) $8 \times \frac{1}{11} =$ ☐

d) $9 \times \frac{1}{10} =$ ☐          h) $\frac{1}{11} \times 10 =$ ☐

**4** A pizza is cut into sixths.
Jack eats five of the slices.
Write a multiplication to represent this.

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