



Colin and Coco's Deliberate Practice

Year 5 Unit 11C **Answers**

Fractions





Contents

This pack of deliberate practice is designed to be used flexibly to secure the manageable steps of this unit.

The table below indicates which activities are linked to which manageable steps.

	Do It	Challenge It	Play It
Multiply unit fraction by a whole number	1	1	
Multiply non-unit fraction by a whole number	1		1
Multiply mixed number by a whole number	2		
Multiply mixed number by a whole number (beyond whole)		2	2



Calculate:

Do It 1

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

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

$$\frac{4}{7} \times 3 = \boxed{\frac{12}{7}}$$

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

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

$$\frac{5}{6} \times 2 = \boxed{\frac{10}{6}}$$

$$\frac{1}{5} \times 2 = \boxed{\frac{2}{5}}$$

$$\frac{2}{5} \times 2 = \boxed{\frac{4}{5}}$$

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

$$\frac{1}{8} \times 4 = \boxed{\frac{4}{8}}$$

$$\frac{2}{7} \times 3 = \boxed{\frac{6}{7}}$$

$$\frac{3}{4} \times 4 = \boxed{\frac{12}{4}}$$

Challenge It 1

Complete each calculation in at least four different ways.

$$\frac{1}{\boxed{4}} \times \boxed{2} = \frac{1}{2} \quad \text{Possible solution}$$

$$\frac{1}{\boxed{6}} \times \boxed{2} = \frac{1}{3}$$

What do you notice?



Multiplying Fractions Game

Play It 1

You need:

1 - 6 Dice

To play:

Players take it in turns to roll the dice three times. (If you roll three of the same number roll again!)

Use the numbers as the numerator and denominator of a proper fraction and a whole number.

Multiply the proper fraction by the whole number.

Give the answer as a mixed number or proper fraction.

Compare your answers.

The player with the smaller answer scores a point.

To win:

The winner is the first player to score 5 points.

$$\frac{\boxed{}}{\boxed{}} \times \boxed{}$$



Calculate, writing your answers as mixed numbers:

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

$2\frac{2}{3}$

$1\frac{1}{5} \times 2 =$

$2\frac{2}{5}$

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

$6\frac{3}{4}$

$1\frac{3}{8} \times 2 =$

$2\frac{6}{8}$

$2\frac{1}{8} \times 4 =$

$8\frac{4}{8}$

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

$3\frac{6}{7}$

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

$6\frac{3}{5}$

$3\frac{2}{5} \times 2 =$

$6\frac{4}{5}$

$1\frac{3}{10} \times 3 =$

$3\frac{9}{10}$

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

$4\frac{8}{9}$

$2\frac{3}{9} \times 2 =$

$4\frac{6}{9}$

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

$4\frac{6}{8}$

Match the calculation to the answer.
Find the missing buddies.

Challenge It 2

$3\frac{3}{5} \times 3$	$5\frac{3}{5}$
$2\frac{4}{5} \times 2$	$10\frac{4}{5}$
$1\frac{3}{8} \times 3$	$5\frac{1}{10}$
$2\frac{5}{8} \times 2$	$4\frac{1}{8}$
$2\frac{3}{7} \times 3$	$5\frac{2}{8}$
$1\frac{7}{10} \times 3$	$7\frac{2}{7}$
$3\frac{6}{8} \times 2$	$11\frac{7}{10}$
$2\frac{6}{7} \times 3$	$7\frac{4}{8}$
$3\frac{9}{10} \times 3$	$8\frac{4}{7}$



Multiplying Fractions (2) Game

Play It 2

You need:
1 - 6 Dice

To play:

Players take it in turns to roll the dice four times.

Use the numbers as the whole number, numerator and denominator of a mixed number and a whole number.

Multiply the mixed number by the whole number.

Give the answer as a mixed number.

Compare your answers.

The player with the greater answer scores a point.

To win:

The winner is the first player to score 5 points.

$$\boxed{} \frac{\boxed{}}{\boxed{}} \times \boxed{}$$