

Thursday 14/05/2020

LK: To multiply mixed numbers by whole numbers.

Hello everybody! Miss Dattani here, I hope you are all safe and well.

You do not need a printer to complete any tasks, please do your task on pen and paper and email me if you have any questions at WDV.year5@oasiswoodview.org

You can access additional Maths resources on My Maths.

Your task is differentiated two ways:

-Section A is suited for one star (blue and green)

-Section B is suited for two and three star (yellow, orange and red table)

When multiplying a mixed number by a whole number, **you only multiply the numerator.** The denominator stays the same.

Below are steps for multiplying mixed numbers by whole numbers.

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

Step one: convert the mixed number into an improper fraction

$$1 \times 2 = 2$$

$$2 + 1 = 3$$

$$\text{so } 1\frac{1}{2} = \frac{3}{2}$$

Step two: multiply the numerator by the whole number

$$\frac{3}{2} \times 4 = \frac{12}{2}$$

Step three: Convert the improper fraction back to a mixed number

$$12 \div 2 = 6$$

The answer = 6

Follow these steps to answer your questions.

Section A

Work out

5	$1\frac{3}{8} \times 4$	9	$1\frac{1}{2} \times 8$	13	$2\frac{5}{6} \times 12$
6	$2\frac{2}{3} \times 12$	10	$2\frac{11}{12} \times 3$	14	$3\frac{1}{4} \times 6$
7	$1\frac{2}{7} \times 8$	11	$1\frac{4}{9} \times 6$	15	$1\frac{4}{11} \times 2$
8	$2\frac{3}{5} \times 2$	12	$2\frac{1}{10} \times 4$	16	$5\frac{1}{3} \times 9$

Section B

Work out

1	$3\frac{3}{4} \times 12$	5	$7\frac{1}{2} \times 12$	9	$3\frac{2}{3} \times 7$
2	$2\frac{1}{6} \times 8$	6	$9\frac{7}{8} \times 4$	10	$4\frac{3}{10} \times 8$
3	$7\frac{9}{10} \times 5$	7	$4\frac{4}{7} \times 2$	11	$2\frac{4}{5} \times 6$
4	$4\frac{2}{5} \times 3$	8	$5\frac{2}{9} \times 6$	12	$5\frac{1}{8} \times 12$