

## Domain #1: Ratios

(Relevant Units: Unit 3 – Ratios & Unit 9 - Percents)

**1**

Carl types 180 words in 2 minutes.

Enter the number of words Carl types in 5 minutes at this rate.

← → ↶ ↷ ✖

1	2	3
4	5	6
7	8	9
0	.	-

**2**

This table contains  $x$  and  $y$  values in equivalent ratios. Fill in the missing value in the table.

$x$	$y$
2	6
5	
7	21
9	27

**3**

Darcy likes to eat peanut butter and raisins on apple slices. On each apple slice she puts  $\frac{1}{16}$  cup of peanut butter and 8 raisins.

Darcy has  $\frac{2}{5}$  cup of peanut butter and 80 raisins. She eats a whole number of apple slices until the peanut butter is all gone. What fraction of the 80 raisins did she eat?

Enter the fraction in the response box.

← → ↶ ↷ ✖

1	2	3	+	-	*	÷
4	5	6	<	=	>	
7	8	9	$\frac{\square}{\square}$	$\square^\square$	()	
0	.	-				

4

Enter the unknown value that makes this statement true:

30% of  $\square$  is 60.

  

← → ↶ ↷ ✖

1	2	3
4	5	6
7	8	9
0	.	-

5

A recipe requires  $\frac{3}{4}$  cup of nuts for 1 cake.

Enter the maximum number of cakes that can be made using  $7\frac{1}{2}$  cups of nuts.

  

← → ↶ ↷ ✖

1	2	3
4	5	6
7	8	9
0	.	-