Measurement Conversions: Time - Minutes and Hours (A) ANSWERS

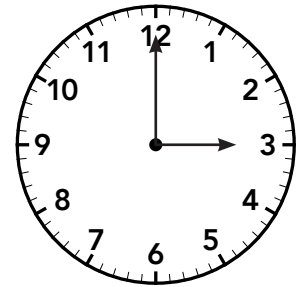**Section A** *Convert the following to minutes*

1 hour	60 minutes	1 hours and 40 minutes	100 minutes
2 hours	120 minutes	4 hours and 15 minutes	255 minutes
3 hours	180 minutes	$10\frac{1}{2}$ hours	630 minutes
5 hours	300 minutes	6 hours and 45 minutes	405 minutes

Section B ***How much of an hour?*** *What fraction of an hour are each of the minutes below? The first one has been done for you. You can use the clock face to help you. Write and simplify the fraction.*

Example			
30 minutes	$\frac{1}{2}$ hour	40 minutes	$\frac{2}{3}$ hour
15 minutes	$\frac{1}{4}$ hour	10 minutes	$\frac{1}{6}$ hour
45 minutes	$\frac{3}{4}$ hour	5 minutes	$\frac{1}{12}$ hour
20 minutes	$\frac{1}{3}$ hour	35 minutes	$\frac{7}{12}$ hour

Section C ***How many minutes?***
How many minutes are in each fraction of an hour?

$\frac{1}{5}$ hour	12 minutes	$\frac{11}{12}$ of an hour	55 minutes
$\frac{2}{5}$ of an hour	24 minutes	$\frac{1}{10}$ of an hour	6 minutes
$\frac{3}{5}$ of an hour	36 minutes	$\frac{3}{10}$ of an hour	18 minutes
$\frac{4}{5}$ of an hour	48 minutes	$\frac{5}{6}$ of an hour	50 minutes

Section D *Convert the given number of minutes to hours and minutes. The first one has been done for you.*

Example	
95 minutes	60 + 35 = 1 hour and 35 minutes
150 minutes	2 hours and 30 minutes
200 minutes	3 hours and 20 minutes
237 minutes	3 hours and 57 minutes
108 minutes	1 hour and 48 minutes
132 minutes	2 hours and 12 minutes
245 minutes	4 hours and 5 minutes

5.MD.A.1
5.NF.B.6