

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Fractions (Recapitulation)

Q1. Write five equivalent fractions of  $\frac{3}{7}$

Q2. Find the sum.

i.  $\frac{1}{9} + \frac{4}{9}$

ii.  $2\frac{3}{5} + 9\frac{2}{10}$

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Q1. Write five equivalent fractions of  $\frac{3}{7}$

$$\frac{3 \times 2}{7 \times 2} = \frac{6}{14} ; \frac{3 \times 3}{7 \times 3} = \frac{9}{21} ; \frac{3 \times 4}{7 \times 4} = \frac{12}{28} ; \frac{3 \times 5}{7 \times 5} = \frac{15}{35} ; \frac{3 \times 6}{7 \times 6} = \frac{18}{42}$$

Q2. Find the sum.

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$= \frac{1+4}{9}$  (add the numerators and retain the common denominator)

$= \frac{5}{9}$

ii.  $2\frac{3}{5} + 9\frac{2}{10}$

$= \frac{5 \times 2 + 3}{5} + \frac{10 \times 9 + 2}{10} = \frac{13}{5} + \frac{92}{10}$

LCM of 5 and 10

5	5, 10
2	1, 2
	1, 1

LCM =  $5 \times 2 = 10$

Now, convert the given fractions into equivalent fractions with denominator 10.

$\frac{13}{5} = \frac{13 \times 2}{5 \times 2} = \frac{26}{10}$

$\frac{92}{10} = \frac{92 \times 1}{10 \times 1} = \frac{92}{10}$

$\frac{26}{10} + \frac{92}{10} = \frac{118}{10}$