

# HCS Math Spiral 2016-17 **KEY**

## Learning Period 3

December 1 – January 31

**12/1** Find the product.

1.)  $15 \times \frac{1}{5} = 3$

2.)  $15 \times \frac{2}{5} = 6$

3.)  $15 \times \frac{3}{5} = 9$

**12/2** Find the product.

1.)  $2 \times \frac{1}{2} = 1$

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

3.)  $22 \times \frac{1}{2} = 11$

**12/5** Find the product.

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

2.)  $\frac{2}{3} \times \frac{1}{4} = \frac{1}{6}$

3.)  $5 \times \frac{1}{10} = \frac{1}{2}$

**12/6** Find the product.

1.)  $\frac{1}{4} \times \frac{3}{4} = \frac{3}{16}$

2.)  $\frac{2}{9}$  of  $\frac{3}{8} = \frac{1}{12}$

3.)  $\frac{3}{8}$  of  $\frac{2}{3} = \frac{1}{4}$

**12/7**

1.) Sam spends  $\frac{2}{3}$  of an hour each day in his garden. When he is in his garden, he spends  $\frac{1}{2}$  the time watering the plants. How much time does Sam spend watering the plants each day? **Sam spends  $\frac{1}{3}$  of an hour everyday watering his plants; therefore he spends 20 minutes a day watering.**

2.)  $\frac{3}{4} \times \frac{n}{2} = \frac{3}{8}$

**n = 1**

3.)  $\frac{2}{3} \times \frac{n}{5} = \frac{8}{15}$

**n = 4**

**12/8**

1.) One fourth of Sue's roses are yellow. She gives one third of the yellow roses to Judy. What fraction of her roses does she give to Judy? **Sue gives Judy one twelfth of her roses.**

2.) Neil has used  $\frac{2}{3}$  of the 51 pieces in his model kit. Victor has used  $\frac{2}{3}$  of the 72 pieces in his kit. Who has used more pieces? **Victor has used more pieces.**

**12/9** Solve.

1.)  $\frac{4}{7} + \frac{1}{3} = \frac{19}{21}$

2.)  $\frac{3}{5} - \frac{1}{10} = \frac{1}{2}$

3.)  $\frac{3}{10}$  of  $\frac{5}{9} = \frac{1}{6}$

