

HCS Math Spiral 2021-22

Learning Period 5

April 1 – May 26 (Spring Break: April 15 – 22)

Objectives: Review

The objective of this math spiral is to help students review past material and fill-in key holes that have been identified by upper grade math teachers as being problem areas for students. Our hope is that you will do a problem set per day (2-3 problems) either before or after your math lesson. These problems should not take more than 10 min. if they are taking your student longer, move on and come back to the problem set once you've covered the subject in your material. This is not to be used as a one-day worksheet; the effectiveness is in the daily, small review.

At the end of each learning period your EC will have a short benchmark test for your student to take, in office, which will cover the standards covered on the spiral from this learning period.

4/1

1.) $5 \overline{)4,250}$

2.) $3 \overline{)71}$

3.) $4 \overline{)110}$

4/4

1.)
$$\begin{array}{r} 969.76 \\ 115.45 \\ + \underline{58.37} \end{array}$$

2.)
$$\begin{array}{r} 623.1 \\ - \underline{42.9} \end{array}$$

3.) $2.3 \times \underline{\hspace{2cm}} = 2,300$

4/5

Write each fraction in simplest form.

1.) $\frac{21}{30}$

2.) $\frac{18}{45}$

3.) $\frac{4}{16}$

4/6

Find the LCD of the following sets of fractions.

1.) $\frac{1}{2} \& \frac{3}{5}$

2.) $\frac{2}{7} \& \frac{1}{3}$

3.) $\frac{1}{8} \& \frac{3}{16}$

4/7

Find the missing number.

1.) $\frac{2}{3} = \frac{n}{9}$

2.) $\frac{10}{12} = \frac{5}{n}$

3.) $\frac{1}{5} = \frac{n}{20}$

4/8

Order each list of numbers from least to greatest.

1.) $\frac{1}{2}, \frac{1}{3}, \frac{3}{4}$

2.) $\frac{1}{4}, \frac{1}{2}, \frac{1}{5}$

4/11

Solve.

1.) $\frac{2}{3} + \frac{7}{12}$

2.) $\frac{1}{2} - \frac{2}{5}$

3.) $\frac{5}{6} - \frac{1}{4}$

4/12

Solve each equation for the variable.

1.) $\frac{1}{2} + b = \frac{5}{6}$

2.) $\frac{7}{8} - n = \frac{1}{8}$

3.) $\frac{17}{20} - y = \frac{3}{4}$

4/13

Find the product.

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

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

3.) $\frac{3}{8}$ of $\frac{2}{3}$

4/14

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?

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?

4/25

1.) Find the reciprocal of $\frac{13}{3}$

2.) $\frac{3}{4} \div \frac{3}{8}$

3.) Does multiplication or division make this statement true? $\frac{3}{4} \square \frac{5}{12} = 1\frac{4}{5}$

4/26

1.) Will the sum of $-6 + 5$ be positive or negative, how do you know?

2.) $-10 + (-2)$

3.) $5 + 4$

4/27

Solve.

1.) $\frac{4}{9} \times \frac{3}{8}$

2.) $4 - 5$

3.) $-15 - 10$

4/28

1.) Solve. $\frac{4}{5} - \frac{2}{5}$

2.) Compare using $<$, $>$, or $=$. $-20 \square -21$

3.) $-4 - (-4)$

4/29

Find the value of the variable.

1.) $x + 9 = 14$

2.) $5 \times y = 30$

3.) $\frac{x}{6} = 6$

5/2

Evaluate the algebraic expression.

1.) $\frac{a}{4}$ when $a = 24$ 2.) $9 \times m$, when $m = 3$

3.) The area of a rectangle is $24in.^2$, the length is $6in.$, what is the height of the rectangle?**5/3**

Solve.

1.) $2\frac{1}{3} + 4\frac{1}{2}$

2.) $1\frac{1}{3} + \frac{2}{3}$

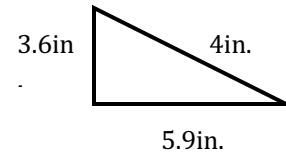
3.) $2\frac{2}{5} + 1\frac{1}{10}$

5/41.) Evaluate $y \times y$ when $y = 10$. 2.) Find the value of x if $x + x = 28$ 3.) Find the value of m if $3m = 39$ **5/5**

Solve.

1.) $\frac{4}{9} + \frac{1}{3}$

2.) Find the perimeter.



3.) $x + \frac{1}{4} = \frac{5}{12}$

5/6

Solve.

1.) $5 + (-7) + (-17)$

2.) $-31 + (-10)$

3.) $0 + (-23)$

5/9

Solve for the variable.

1.) $16x = 8$

2.) $\frac{m}{3} = 2$

3.) $6x = 2$

5/101.) Find the reciprocal of $\frac{7}{9}$ 2.) $\frac{2}{3} \div \frac{5}{12}$ 3.) Does multiplication or division make this statement true? $\frac{3}{4} \square \frac{5}{12} = \frac{5}{16}$

5/11

Find the product.

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

2.) $\frac{3}{8} \text{ of } \frac{4}{9}$

3.) $\frac{3}{10} \text{ of } \frac{5}{6}$

5/12

1.) $7 \overline{)4,249}$

2.) $4 \overline{)79}$

3.) $6 \overline{)951}$

5/13

Find the missing number.

1.) $\frac{1}{4} = \frac{n}{12}$

2.) $\frac{3}{7} = \frac{9}{n}$

3.) $\frac{3}{4} = \frac{n}{32}$

5/16

Find the sum.

1.) $23.7 + 0.99$

2.) $9.6 + 23.41$

3.) $\$702.26 + \297.75

5/171.) Will the sum of $11 + (-8)$ be positive or negative, how do you know?

2.) $-13 + 21$

3.) $-3 + (-18)$

5/18

Write each fraction in simplest form.

1.) $\frac{8}{52}$

2.) $\frac{9}{42}$

3.) $\frac{6}{33}$

5/19

Solve for the variable.

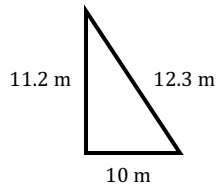
1.) $10y = 2$

2.) $\frac{x}{2} = 7$

3.) $35m = 5$

5/20

1.) Find the perimeter:



2.) 6.291
 $- \underline{4.320}$

3.) Order from least to greatest:
2, -3, 5, 0, -9

5/23

Find the sum.

1.) $1.6 + 0.89$

2.) $3.12 + 6.4$

3.) $\$317.26 + \110.99

5/24

Find the product.

1.) $\frac{2}{3} \times \frac{3}{7}$

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

3.) $\frac{5}{9}$ of $\frac{3}{7}$