

HCS Math Spiral 2021-22 **KEY**

Learning Period 1

August 9 - September 30

8/11 Write the following decimals.

1.) eight and 5 tenths **8.5** 2.) three and seventeen hundredths **3.17**

3.) twenty-four and 1 hundredth **24.01**

8/12 Write the names of the following decimals.

1.) 9.19 **nine and nineteen hundredths**

2.) 80.5 **eighty and five tenths**

3.) 7.007 **seven and seven thousandths**

8/13 Which decimal is greater?

1.) 7.9, 8.1

8.1

2.) 0.5, .062

0.5

3.) 6.75, 6.71

6.75

8/16 Order the decimals from least to greatest.

1.) 0.33, 3.1, 0.3

0.3, 0.33, 3.1

2.) 24.95, 23.9, 24.5

23.9, 24.5, 24.95

3.) 7.5, 6.95, 7.58

6.95, 7.5, 7.58

8/17 Compare each decimal with $<$, $>$ or $=$.

1.) $99.9 > 99$

2.) $8.01 > 8.001$

3.) $40.900 = 40.9$

8/18

1.) The 2012 London Olympic 100-meter dash had a viewing audience of 49.1 million viewers. The same event in Beijing in 2008 had 48.6 million viewers and in Athens in 2004 there were 49 million viewers. Which 100-meter dash had the most viewers?

2012 London Olympics

2.) Find a missing digit that makes $23.\underline{\quad}6 > 23.56$ true. **6,7,8 or 9**

8/19

1.) Create a number line and place 1.25 in the proper place.



2.) Find a missing digit that makes $16.26 > 16.2\underline{\quad}$ true. **0,1,2,3,4, or 5**

8/20 Order the list of numbers on a number line.

1.) 1.67, 0.53, 2.1, 1

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

3.) 4.9, 0.2, 1.998, 2.679

0.53, 1, 1.67, 2.1

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

0.2, 1.998, 2.679, 4.9

8/20 Find the sum.

1.) $\begin{array}{r} 2.16 \\ + 1.30 \\ \hline 3.46 \end{array}$

2.) $\begin{array}{r} \$16.25 \\ + 5.08 \\ \hline \$21.33 \end{array}$

3.) $\frac{4}{9} + \frac{1}{9} = \frac{5}{9}$

8/23 Find the sum.

1.) $1.6 + 0.89 = 2.49$

2.) $3.12 + 6.4 = 9.52$

3.) $\$317.26 + \$110.99 = \$428.25$

8/24

1.) Sam wants to buy a notebook for \$1.25 and a calculator for \$9.99. How much will he pay for both of them without tax? **\$11.24**

2.) Trisha has \$2.35 to spend on lunch and her friend Kelly has \$1.90 to spend on lunch, how much do they have together? **\$4.25**

8/25 Find the difference.

1.) $\begin{array}{r} 22.369 \\ - 5.126 \\ \hline 17.243 \end{array}$

2.) $\begin{array}{r} 5.7 \\ - 0.29 \\ \hline 5.41 \end{array}$

3.) $\begin{array}{r} 670.119 \\ - 15.261 \\ \hline 654.858 \end{array}$

8/26 Order the numbers on a number line.

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

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

3.) 4.25, $3\frac{1}{2}$, 4, $2\frac{3}{4}$

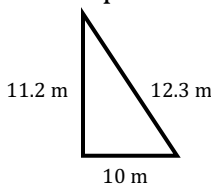
$(\frac{1}{2}, 1, 2\frac{1}{2}, 3\frac{1}{2})$

$(\frac{1}{6}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2})$

$(2\frac{3}{4}, 3\frac{1}{2}, 4, 4.25)$

8/27

1.) Find the perimeter: **33.5m**

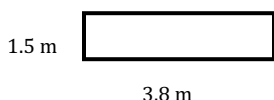


2.) $\begin{array}{r} 6.291 \\ - 4.320 \\ \hline 1.971 \end{array}$

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

8/30

1.) Find the perimeter: **10.6m**



2.) $\begin{array}{r} 7,211 \\ \times 3 \\ \hline 21,633 \end{array}$

3.) $\begin{array}{r} 3,926 \\ \times 52 \\ \hline 204,152 \end{array}$

8/31 Find the product.

1.) $9 \times 1,260$
11,340

2.) $21 \times 2,396$
50,316

3.) $2 \times 189,260$
378,520

9/1 Solve.

1.) $156.29 + 26.213$
182.503

2.) $49.2 - 26.8$
22.4

3.) 12×79
948

9/2 Find the missing number that makes the statement true.

1.) $627 \times 3 = 3 \times \underline{\hspace{2cm}}$
627

2.) $962 \times \underline{\hspace{2cm}} = 962$
1

3.) $4 \times 6 \times \underline{\hspace{2cm}} = 24$
1

9/3

1.) Jackson had a piece of rope that was 9.25m long and he cut off 2.6m. How long is his remaining piece of rope? **6.65m**

2.) 39.06×0.3 **11.718**

3.) Sally can run 7.5 miles in one hour, how far can Sally run in 2 hours? **15 miles**

9/7

1.) Order numbers on a number line: $-6, 1\frac{3}{4}, \frac{1}{3}, -2, 2, 1.6$

($-6, -2, \frac{1}{3}, 1.6, 1\frac{3}{4}, 2$)

2.) 6.5×3
19.5

3.) 3.05×5
15.25

9/8 Find the product.

1.) 0.8×3
2.4

2.) 6.3×100
630

3.) $\$54.67 \times 10$
\\$546.70

9/9

1.) 969.76
 115.45
 $+ 58.37$
1,143.58

2.) 623.1
 $- 42.9$
580.2

3.) $2.3 \times \underline{\hspace{2cm}} = 2,300$
1000

9/10 Find the product.

1.) 0.9
 $\times 0.3$
0.27

2.) 4.3
 $\times 2.5$
10.75

3.) 12.79
 $\times 3.7$
47.323

9/13

1.) If you multiply 7.29×3.2 , how many decimal places will there be in the product? **3**

2.) 310×2.4

744

3.) 12.4×1.63

20.212

9/13 Solve.

1.) $17.63 + 8.179$

25.809

2.) 3.6×0.2

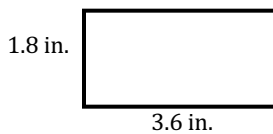
0.72

3.) 3.09×4.1

12.669

9/14

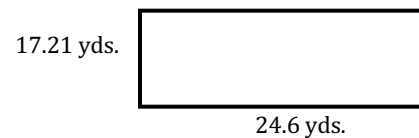
1.) Find the area: **6.48in.^2**



2.) $1.23 - 0.66$

0.57

3.) Find the perimeter: **83.62 yds.**

**9/15 Find the quotient.**

1.) $24 \div 4$

6

2.) $3 \overline{)24}$

8

3.) $30 \div 6$

5

9/16

1.) $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$

2.) $12 \overline{)84}$

7

3.) $84 \div \underline{\quad} = 12$

7

9/17

1.) $2 \overline{)35}$

17R1 or 17.5

2.) 17×2

34

3.) $7 \overline{)112}$

16

9/20

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

850

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

23R2 or 23.67

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

27R2 or 27.5

9/21

1.) $0.567 - 0.448$

0.119

2.) 49.6×3.21

159.216

3.) $285 \div 6$

47R3 or 47.5

9/22

1.) 465.3×8.6

4,001.58

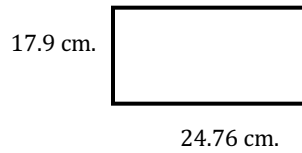
2.) $26.2 \times 10 = 262$

$26.2 \times 100 = 2,620$

$26.2 \times 1000 = 26,200$

9/23

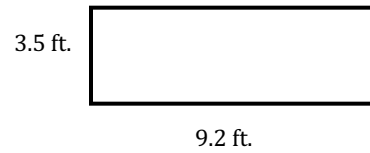
1.) Find the perimeter:



85.32 cm.

2.) $4.3 + 0.98$ **5.28**

3.) Find the area:



32.2 ft.²

9/24

1.) $\frac{6}{7} + \frac{1}{7} = \frac{7}{7} = \mathbf{1}$

2.) $11 \overline{)154}$
14

3.) $154 \div \underline{\quad} = 11$
14

9/27 Find the product.

1.) 0.7
 $\times 0.9$
0.63

2.) 8.2
 $\times 6.7$
54.94

3.) 23.56
 $\times 4.3$
101.308

9/28

1.) $0.483 - 0.259$
0.224

2.) 92.51×5.8
120.263

3.) $234 \div 5$
46R4 or 46.8

9/29 Find the missing number that makes the statement true.

1.) $8 \times \underline{\quad} \times 7 = 56$
1

2.) $831 \times \underline{\quad} = 831$
1

3.) $7 \times 179 = \underline{\quad} \times 7$
179