Problem of the Day August

Day 1

What is $10 \frac{28}{100}$ written as a decimal? _____

Day 2

Give an example of a right angle in the classroom. _____

_____

Day 3

How do you subtract $45 \frac{1}{3}$ - $2 \frac{2}{3}$? What is the answer?

_____

Day 4

List the factors of 50.

_____

Day 5

Trey's hens laid 360 eggs. How many dozen can he sell at the farmers market?

_____

Problem of the Day August

Day 1

Rename $\frac{92}{8}$ as a mixed number.

_____

Day 2

Carl spent $\frac{8}{9}$ of an hour playing his guitar every day for six days. How much time did he spend altogether? _____

Day 3

Compare with <, >, or =. $\frac{10}{11}$ _____ $\frac{11}{12}$

Day 4

Find and continue the pattern. 3, 12, 48,

_____, _____, _____, _____,

Day 5

The area of a square is 9 meters squared. How long is one of its sides?

_____

Problem of the Day August

Day 1

What strategy will you use to solve 56 x 95? Solve.

_____

_____

Day 2

What strategy will you use to solve 82 ÷ 3? Solve. _____

_____

Day 3

Order from least to greatest: 2.5, 2.02, 2.93, 2.09, 2.8

_____

Day 4

Decompose $11\frac{6}{7}$ in two ways. _____

_____

Day 5

Christine spent 0.9 of an hour computer programming each day for 7 days. How much time did she spend altogether? _____

Problem of the Day August

Day 1

Draw a picture to represent $3 \times \frac{4}{5}$. Solve. _____

Day 2

Compare with <, >, or =. $255 \div 15$ _____ 13×7

Day 3

What is the perimeter of this rectangle?

_____

14.5 m

11 m

Day 4

What is the area of this rectangle?

_____

12 m

7 m

Day 5

Give an example of a right angle in the real world. _____

_____

Problem of the Day August **Answer Key**

Week 1

Day 1: **10.28**

Day 2: **Answers may vary. A possible answer is: An example of a right angle in the classroom is the angle that the desk leg makes with the floor.**

Day 3: **Answers may vary. A possible answer is: change both to improper fractions and subtract; $42\frac{2}{3}$.**

Day 4: **1, 2, 5, 10, 25, 50**

Day 5: **30 dozen**

Week 2

Day 1: **$11\frac{4}{8}$ or $11\frac{1}{2}$**

Day 2: **$5\frac{3}{9}$ or $5\frac{1}{3}$**

Day 3: **$\frac{10}{11} < \frac{11}{12}$**

Day 4: **192, 768, 3,072, 12,228**

Day 5: **3 meters**

Week 3

Day 1: **Answers may vary. A possible answer is: Multiply 50 × 95, then multiply 6 × 95. Add the proucts; 5,320**

Day 2: **Answers may vary. A possible answer is: Put 82 in the division house and 3 on the outside. $27\frac{1}{3}$**

Day 3: **2.02, 2.09, 2.5, 2.8, 2.93**

Day 4: **$11 + \frac{6}{7}$; $\frac{7}{7} + \frac{7}{7} + \frac{7}{7} + \frac{7}{7} + \frac{7}{7} + \frac{7}{7} + \frac{7}{7} + \frac{7}{7} + \frac{7}{7} + \frac{7}{7} + \frac{7}{7} + \frac{6}{7}$**

Day 5: **6.3 hours**

Week 4

Day 1: **Answers may vary. The picture should represent 3 groups of $\frac{4}{5}$ or $\frac{4}{5}$ of 3.**

Day 2: **225 ÷ 15 < 13 × 7**

Day 3: **51 meters**

Day 4: **84 square meters**

Day 5: **Answers may vary. A possible answer is: A right angle in the real world is one corner of a four-way intersection.**