Problem of the Day April

Day 1

What 3,534 divided by 62?

_____

_____

Day 2

What is the expanded form of 162.05? _____

_____

_____

Day 3

How do you find the volume of a cube if you only know the area of the base?

What is the formula?

_____

Day 4

What is $\frac{1}{7}$ divided by 6? How do you know?

_____

_____

Day 5

What does (3,2) represent on the coordinate plane?

_____

_____

Problem of the Day April

Day 1

What is $\frac{4}{20}$ + 0.9? How did you find your answer?

_____

_____

Day 2

What decimal is equivalent to $\frac{3}{8}$?

_____

_____

Day 3

What is the volume of a rectangular prism that is .5-foot-wide, 2 feet tall, and 8 feet in length? _____

_____

_____

Day 4

Find and continue the pattern:

Answer with a base of 7	7	49	343	_____	_____	_____
Exponent	1	2	3	4	5	6

Day 5

Solve. 12 ÷ 4 + 100 ÷ 2 + 6? What is a common mistake that someone could make when solving this problem?

_____

_____

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Problem of the Day April

Day 1

Fill in the missing exponent and operation symbols to finish the equation.

7^____ + (10_____7_____8) = 85

_____

Day 2

A number times 15 equals 22.5. What is the number? How did you solve this?

_____

_____

Day 3

Lucia needs 12 pounds of concrete for a patio step she is making. Each pound of concrete costs $1.87 or a 6-pound bag costs $8. Which should Lucia buy to save money? How much money will she need?

_____

Day 4

Compare these two numbers using <, >, or =. 13 pints _____ 4 quarts

Day 5
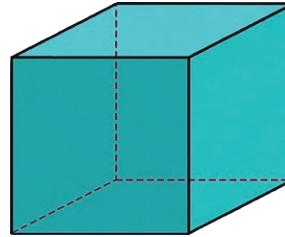
Continue this pattern: 0.3, $\frac{6}{10}$, 0.9 ,

_____, _____, _____,

Problem of the Day April

Day 1

What is the area of this house?

_____

$\frac{8}{9}$ meter

Day 2

What is 1.31 renamed as an improper fraction? How did you solve this?

_____

_____

Day 3

Kate played piano for $1 \frac{2}{5}$ hours. Emma played ukulele for $1 \frac{3}{7}$ hours. Who played for longer? How much longer? _____
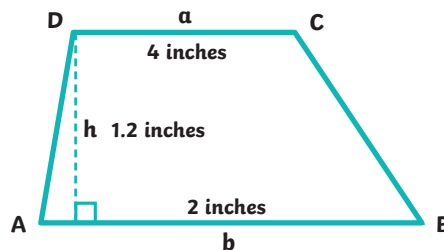
_____

Day 4

Megan rides her bike at an average speed of 9.1 mph. She is planning a trip that is 436.8 miles. She can ride for 6 hours a day. How many days will the trip take her?

_____

_____

Day 5

Find the area of the trapezoid.

How did you find your answer?

_____

D ———— a ———— C
4 inches

h 1.2 inches

2 inches
A   b   B

Problem of the Day April **Answer Key**

Week 1

Day 1: **57**

Day 2: **1 x 100 + 6 x 10 + 2 x 1 + 5 x $\frac{1}{100}$**

Day 3: **Find out what number multiplied by itself would equal the area of the base - that answer is the length of one side; multiply the length of one side by itself three times; V = s x s x s or V = B x h**

Day 4: **$\frac{1}{42}$; $\frac{1}{7}$ x $\frac{1}{6}$ = $\frac{1}{42}$**

Day 5: **Three is how many points to the right of the origin, and two is how many points up from the origin.**

Week 2

Day 1: **1.1 or $1\frac{1}{10}$; $\frac{4}{20}$ = $\frac{2}{10}$ and $\frac{2}{10}$ + $\frac{9}{10}$ = $\frac{11}{10}$ or $1\frac{1}{10}$**

Day 2: **0.375**

Day 3: **8**

Day 4: **Find and continue the pattern:**

Answer with a base of 7	7	49	343	2,401	16,807	117,649
Exponent	1	2	3	4	5	6

Day 5: **59; Solving it in order from left to right**

Week 3

Day 1: **7^ 1 + (10 × 7 + 8) = 85**

Day 2: **1.5; Divide 22.5 by 15.**

Day 3: **The six-pound bag; $16**

Day 4: **13 pints > 4 quarts**

Day 5: **0.3, $\frac{6}{10}$, 0.9 , $1\frac{2}{10}$, 1.5, $1\frac{8}{10}$**

Week 4

Day 1: **$\frac{512}{729}$**

Day 2: **$\frac{131}{100}$**

Day 3: **Emma; $\frac{1}{35}$ hour longer**

Day 4: **8 days**

Day 5: **3.6 square inches**