

Problem of the Day October

Day 1

What is 2.4×2 ? How do you know? _____

Day 2

Explain how to solve $\frac{2}{5} + \frac{1}{5}$ in two different ways. _____

Day 3

What is the difference between a rectangle and a parallelogram?

Day 4

Lucia added $\frac{4}{5}$ of a cup of sugar to her cake recipe. Margaret added $\frac{3}{4}$ of a cup of sugar to her cake recipe. Who added more sugar? How do you know?

Day 5

One movie theater seats 108 people. What is a good estimate of how many people nine movie theaters can accommodate? How did you estimate your answer?

Problem of the Day October

Day 1

What is an equivalent fraction to 0.7? How do you know? Can you think of another equivalent fraction to 0.7?

Day 2

What decimal represents $\frac{5}{100}$? _____

Day 3

What is the difference between radius and diameter? Draw an illustration to help explain your answer. _____

Day 4

Find and continue the pattern:

Amount of time needed to study for quizzes	27 minutes	54 minutes	1 hour 21 minutes	_____	_____	_____
Number of quizzes to study for	1	2	3	4	5	6

Day 5

What is the difference between circumference and perimeter?

Problem of the Day October

Day 1

Claudia spent $2\frac{3}{4}$ hours on her homework last Thursday. Juan spent $1\frac{1}{2}$ hours on his homework last Thursday. How much more time did Claudia spend on her homework last Thursday? Explain how you solved the problem. _____

Day 2

A number times 5.1 equals 20.4. What is the number? How did you solve this?

Day 3

Fill in the missing number: $14.78 + \underline{\hspace{2cm}} = 21$

Day 4

Compare these two numbers using $<$, $>$, or $=$. $17\text{ cm} \underline{\hspace{2cm}} 170\text{ mm}$.

Day 5

Continue this pattern: 3.14, 6.28, 9.42,

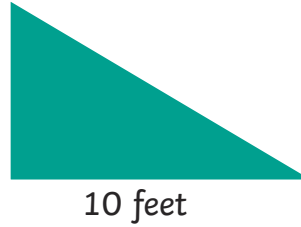
_____, _____, _____, _____, _____

Problem of the Day October

Day 1

What is the area of this triangle?

12 feet



10 feet

Day 2

What is $\frac{53}{4}$ renamed as a mixed number? How did you solve this?

Day 3

There are 3,078 cans of food to distribute to 9 food pantries. How many cans of food will each food pantry receive? _____

Day 4

Ricardo needs $\frac{7}{8}$ of a foot of rope for a project he is working on. He plans on making 4 projects. How much rope will he need? Please write your answer in an improper fraction and a mixed number. _____

Day 5

The perimeter of a garden shed is 90 feet. The width is 15 feet. What is the length?
How did you get your answer? _____

Problem of the Day October Answer Key

Week 1

Day 1: **4.8; $2.4 + 2.4 = 4.8$**

Day 2: $\frac{3}{5}$; **Draw a picture or add the numerators**

Day 3: **A rectangle has two pairs of parallel sides and 4 right angles. A parallelogram has 2 pairs of parallel sides, but not necessarily 4 right angles.**

Day 4: **: Lucia added more because $\frac{4}{5} = \frac{16}{20}$ and $\frac{3}{4} = \frac{9}{20}$**

Day 5: **900 or 990, round 108 to 100 or 110 then multiply by 9**

Week 2

Day 1: $\frac{7}{10}$ **because they are both read as seven-tenths; $\frac{14}{20}$**

Day 2: **0.05**

Day 3: **The radius is half of the diameter.**

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

Amount of time needed to study for quizzes	27 minutes	54 minutes	1 hour 21 minutes	1 hour 48 minutes	2 hours 15 minutes	2 hours 42 minutes
Number of quizzes to study for	1	2	3	4	5	6

Day 5: **The circumference is the distance around a circle. The perimeter is the distance around any shape.**

Week 3

Day 1: **$1\frac{1}{4}$ hours more (or 1 hour and 15 minutes); subtract $2\frac{3}{4} - 1\frac{2}{4}$**

Day 2: **4; divided 20.4 by 5.1 or guess and check**

Day 3: **$14.78 + 6.22 = 21$**

Day 4: **17cm \approx 170mm**

Day 5: **3.14, 6.28, 9.42, 12.56, 15.7, 18.84, 21.98, 25.12**

Week 4

Day 1: **60 square feet**

Day 2: **$13\frac{1}{4}$; divide 53 by 4 - the quotient is the whole number and the remainder is the numerator**

Day 3: **342 cans**

Day 4: **$\frac{28}{8}$; $3\frac{1}{2}$**

Day 5: **30 feet; multiply 15 by 2 and subtract that from 90; take the answer 60 and divide it by 2**