



DISTANCE LEARNING PACKET

4TH GRADE

MATH

Math

Day 1 Week 2

Day 1 Week 2- Problems made using IXL and Study Island

For each problem you will use notebook paper to solve. Please label your notebook paper clearly for each problem.

Is 17 a prime number?

Is 10 a prime number?

Is 19 a prime number or a composite number?

Is 72 a prime number or a composite number?

Is 53 a prime number or a composite number?

Brad is working on Study Island. He picked C as the answer to the question. Draw a factor rainbow to prove that Brad answered the question correctly or incorrectly.

Which list shows all the factor pairs of 56?

A.

1 and 56, 2 and 28, 3 and 14, 7 and 8

B.

1 and 56, 2 and 28, 3 and 16, 7 and 8

C.

1 and 56, 2 and 28, 4 and 14, 7 and 8

D.

1 and 56, 2 and 28, 4 and 14, 7 and 9

Answer one of the following questions

Choice 1: You multiply two numbers and the answer is in the 20s. What could you have multiplied?

Choice 2: You multiply two numbers and the answer is 24. What could you have multiplied?

Extra Practice IXL A. 18 or Study Island Factors and Multiples

Math

Day 2 Week 2

Day 2 Week 2- Problems made using IXL and Study Island
For each problem you will use notebook paper to solve. Please label your notebook paper clearly for each problem.

The first number in the pattern is 20. The rule is to subtract 4.
20, 16, 12, 8, ...
Select the true statement.

All of the numbers in this pattern are multiples of 2.
All of the numbers in this pattern are multiples of 8.

The first number in the pattern is 3. The rule is to add 6.
3, 9, 15, 21, ...
Select the true statement.

All of the numbers in this pattern are multiples of 3.
All of the numbers in this pattern are multiples of 6.

13, 11, 9, 7

In the number pattern above, each term is 2 less than the previous term.
Which of the following is also true about the pattern?

- A.
All the numbers are even.
- B.
All the numbers are multiples of 3.
- C.
All of the numbers are prime.
- D.
All the numbers are odd.

Extra Practice IXL L6 and Study Island Patterns

Math

Day 3 Week 2

Day 3 Week 2- Problems made using IXL and Study Island

For each problem you will use notebook paper to solve. Please label your notebook paper clearly for each problem.

1. Sara used the box method to multiply and made at least one error. Explain what she did wrong . Then show how to work the problem correctly

$$\begin{array}{|c|c|c|} \hline 400 & 20 & 6 \\ \hline 3 & 1200 & 18 \\ \hline \end{array}$$

$$\begin{array}{r} 1200 \\ 80 \\ 18 \\ \hline 1298 \end{array}$$

2. In each situation tell whether you should add or multiply to find the solution. Write an explanation.

- You have 4 bags of apples. Each bag has 12 apples. How many apples do you have?
- You are buying two pairs of shoes. One pair is \$30 the other pair is \$40. How much do the shoes cost?
- Austin has 423 chairs in the room. Each chair has 4 legs. How many legs of chairs are in the room?
- If Mrs. Rainey has 4 groups of in her room and 7 students are in each group, how many students are in the room?

3. Multiply and show all of your work.

3×21

5×689

6×89

$6 \times 7,426$

4×323

32×41

4. Paul was asked to find the total number of student in the school. There are 125 students in each of the 5 grade levels. He decided to use repeated addition to solve the problem. Critique Paul's method to solve the problem. Argue why a different method would be more efficient to solve the problem.

Extra Practice IXL M12, M14, M26 or Study Island F. Multiplication

Math

Day 4 Week 2

Day 4 Week 2- Problems made using IXL and Study Island

For each problem you will use notebook paper to solve. Please label your notebook paper clearly for each problem.

1. Jennifer said that $\frac{4}{8}$ is equivalent to $\frac{3}{6}$. Her friend, Joseph, argued that couldn't possibly be right because he knew that $\frac{4}{8}$ is equal to $\frac{1}{2}$. Who is correct Jennifer or Joseph? Draw a picture or use an equation to prove your answer.
2. Draw three fraction number lines. The number line should represent half from 0 to 1. The next number line should represent fourths from 0 to 1. The final one should represent eighths from 0 to 1. Write down the equivalent fractions.
3. Write several sentences to explain different ways you can determine equivalent fractions.
4. Solve the following problems
 - $\frac{2}{4} = \frac{?}{12}$
 - $\frac{3}{6} = \frac{9}{?}$
 - $\frac{?}{5} = \frac{16}{20}$
 - $\frac{1}{5} = \frac{?}{25}$
5. Solve the following problems
 - write three different equivalent fractions for $\frac{1}{3}$
 - write three different equivalent fractions for $\frac{1}{4}$
 - write three different fractions for $\frac{5}{6}$

Want more practice IXL P7 or Study Island 4A equivalent fractions

Math

Day 5 Week 2

Day 5 Week 2- Problems made using IXL and Study Island

For each problem you will use notebook paper to solve. Please label your notebook paper clearly for each problem.

Methods to compare fractions with different denominators

- Draw a picture using a fraction bar
- decide if a fraction is close to 0, less than half, equal to half, more than half, close to 1
- think about the size of the denominator
- multiple to get a common denominator for both fractions

1. Circle the larger fraction

- $\frac{1}{2}$ or $\frac{3}{4}$
- $\frac{1}{3}$ or $\frac{1}{12}$
- $\frac{2}{6}$ or $\frac{1}{5}$
- $\frac{5}{8}$ or $\frac{1}{4}$

Lisa is comparing the fractions $\frac{5}{6}$ and $\frac{1}{12}$. Lisa states that $\frac{1}{12}$ is the larger fraction because 12 is a larger denominator than the denominator 6. Is Lisa correct? Critique the method she used to determine the larger fraction. Use a different method to decide if Lisa is correct.

George compares the fractions $\frac{5}{8}$ and $\frac{6}{10}$.

Select the answer choice that correctly compares the two fractions. Then, select a statement to support the comparison.

- $\frac{5}{8} < \frac{6}{10}$
- $\frac{5}{8} > \frac{6}{10}$
- $\frac{5}{8} = \frac{6}{10}$

- The comparison is true because both fractions are 1 part more than $\frac{1}{2}$, and $\frac{1}{8}$ is greater than $\frac{1}{10}$.
- The comparison is true because both fractions are 1 part more than $\frac{1}{2}$, and $\frac{1}{8}$ is less than $\frac{1}{10}$.
- The comparison is true because both fractions are 1 part more than $\frac{1}{2}$.
- The comparison is true because 5 is less than 6 and 8 is less than 10.
- The comparison is true because a model of $\frac{6}{10}$ will have more pieces shaded than a model of $\frac{5}{8}$.

Need extra practice Study Island C. Compare fractions