5th Grade Math

Week of January 25 - January 28, 2021

Name _____

* Please do not complete until advised by teacher*

January 25, 2021

In October BCCS-G collected 3,041 boxtops. In November, we collected 148 more boxtops than in October. How many were collected in all?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Monday, January 25, 2020 Exit Ticket Review

Solve each problem.

1. $581.3 \div 10$

2. $581.3 \div 10^2$

3. $581.3 \div 10^3$

4. $1.35 \div 3$

5. $5.16 \div 6$

6. $8.8 \div 0.44$

7. $86.4 \div 0.2$

8. $78.2 \div 17$

9. $12.74 \div 13$

January 26, 2021

Mrs. Forbes wants to buy a fancy new outfit. She saved $89 in September and $74 in October. The total cost of the outfit is $178. How much more money does she need to save?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Name _____ Date _____

Topic 6 Assessment

1.

What is 82.68 ÷ 1,000?

- A. 0.08268
- B. 0.8268
- C. 0.008268
- D. 8.268

2.

Sandy plans on making 100 cookies that are the same size from 212.7 ounces of dough. How many ounces of dough should make up each cookie?

- A. 0.2127 ounces
- B. 0.02127 ounces
- C. 2.127 ounces
- D. 21.27 ounces

3.

Which number sentence shows the best way to estimate 64.12 ÷ 7.4?

- A. 60 ÷ 10 = 6
- B. 63 ÷ 7 = 9
- C. 56 ÷ 7 = 8
- D. 100 ÷ 10 = 10

4.

Estimate the quotient by rounding each number to the nearest whole number.

$33.7 \div 9.5$

_____

5.

Find the quotient.
$6.15 \div 5$

- ○ 1.03
- ○ 1.23
- ○ 1.3
- ○ 1.2

6.

Find $9.24 \div 6$.

7.

Grace paid $54.40 for 8 outdoor pathway lights.
Travis paid $40.25 for 5 of the same lights at a different store.
Use the drop-down menus to explain who paid less per light.

Grace paid $ [ ] for each light. Travis paid $ [ ] for each light.
So, [ ] paid $ [ ] less per light than [ ].

8.

Which is equal to 73.5 divided by 15?

- ○ 0.49
- ○ 4.09
- ○ 4.9
- ○ 49

9.

A coach pays $100.44 for 36 baseballs. What is the cost of each baseball?

10.

Find 2.55 ÷ 0.05.

- ○ 51
- ○ 510
- ○ 5,100
- ○ 51,000

11.

What is the quotient of 28.32 ÷ 0.24?

12.
A service club is selling raffle tickets for $2.50 each to raise money for a charity. Vanessa has $34.75 to spend on raffle tickets. What is the greatest number of raffle tickets she can buy?

- ○ 12 tickets
- ○ 13 tickets
- ○ 14 tickets
- ○ 15 tickets

13.

Which expressions have a quotient of 6? Select all that apply.

- ☐ 0.48 ÷ 0.8
- ☐ 4.8 ÷ 8
- ☐ 0.48 ÷ 0.08
- ☐ 4.8 ÷ 0.8
- ☐ 4.8 ÷ 0.08

14.
Staci pays $32.70 for 5 cell phone cases. Each case costs the same amount. How much does each case cost?

Part A
Which expression represents the problem?

- ○ $32.70 × 5
- ○ $32.70 ÷ 5
- ○ $32.70 + 5
- ○ $32.70 – 5

Part B
Evaluate the expression from **Part A**. Answer: _____

15.

What is the value of the missing exponent in the equation $7.4 \div 10^{\square} = 0.074$?

- ○ 1
- ○ 2
- ○ 3
- ○ 0

16.

Brett's music teacher spent $134.30 on 17 song books. What is the cost per book?

- ○ $7.90
- ○ $7.30
- ○ $17.30
- ○ $17.90

17.

Match each expression on the left with its quotient.

0.0306 3.6 0.306 0.036

$360 \div 10^2 =$

$30.6 \div 10^3 =$

$0.36 \div 10 =$

$3{,}060 \div 10^4 =$

January 27, 2021

The fourth grade is traveling from Albany to Washington, D.C. to visit the White House. The total driving distance is 369 miles. If the bus has 178 miles left to travel, how much has it already traveled?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Wednesday, 1/27/21 Exit Ticket Lesson 7-1

Estimate each sum or difference by replacing each fraction with a 0, $\frac{1}{2}$, or 1.

1. $\frac{8}{14} - \frac{4}{10}$

2. $\frac{15}{20} + \frac{7}{8}$

3. $\frac{7}{8} - \frac{4}{10}$

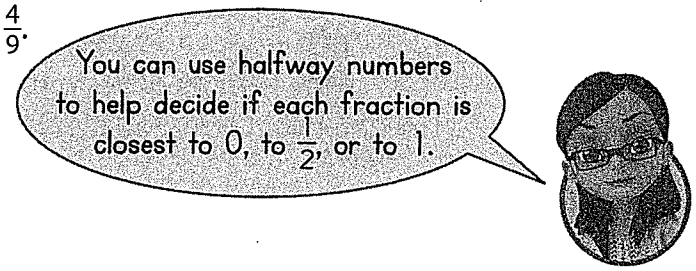
Name _____

Practice Video Tools Games

Additional Practice 7-1
Estimate Sums and Differences of Fractions

Another Look!

Estimate $\frac{10}{12} - \frac{4}{9}$.



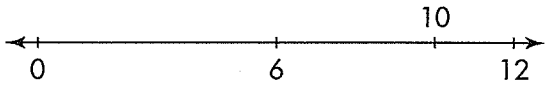
Step 1

Is $\frac{10}{12}$ closest to 0, $\frac{1}{2}$, or 1?

Find the halfway number between 0 and the denominator.

6 is halfway between 0 and 12.

Decide if the numerator is about the same as the halfway number, closer to 0, or closer to 12.



10 is closest to 12.

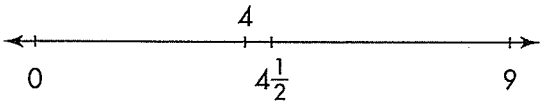
So, $\frac{10}{12}$ is closest to 1.

Step 2

Is $\frac{4}{9}$ closest to 0, $\frac{1}{2}$, or 1?

If the numerator is closest to the halfway number, the fraction is closest to $\frac{1}{2}$.

$4\frac{1}{2}$ is halfway between 0 and 9.

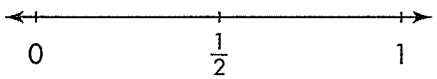


4 is closest to $4\frac{1}{2}$.

So, $\frac{4}{9}$ is closest to $\frac{1}{2}$.

$\frac{10}{12} - \frac{4}{9}$ is about $1 - \frac{1}{2} = \frac{1}{2}$.

Leveled Practice In **1–7**, estimate each sum or difference by replacing each fraction with 0, $\frac{1}{2}$, or 1.

1. 

$\frac{4}{18} + \frac{3}{7}$

$\frac{4}{18}$ **Closest to:** _____

$\frac{3}{7}$ **Closest to:** _____

Estimate:

_____ + _____ = _____

2. $\frac{8}{15} + \frac{2}{5}$

3. $\frac{17}{21} - \frac{2}{10}$

4. $\frac{8}{10} + \frac{4}{9}$

5. $\frac{12}{15} - \frac{3}{7}$

6. $\frac{15}{20} + \frac{7}{8}$

7. $\frac{8}{14} - \frac{4}{10}$

January 28, 2021

On Saturday night 14,760 people attended a concert. On Sunday 958 fewer people attended than on Saturday. How many people attended on Sunday?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Thursday, 1/28/21 Exit Ticket Lesson 7-2

Find a common denominator for each set of fractions. Then write the equivalent fractions.

1. $\frac{3}{4}$ *and* $\frac{4}{10}$

2. $\frac{3}{7}$ *and* $\frac{2}{3}$

Name _____ Practice Video Tools Games

Additional Practice 7-2
Find Common Denominators

Another Look!

Rename $\frac{4}{10}$ and $\frac{3}{8}$ using a common denominator.

Step 1

Find a common denominator for $\frac{4}{10}$ and $\frac{3}{8}$.

List multiples of the denominators 10 and 8. Then look for a common multiple.

10: 10, 20, 30, 40
8: 8, 16, 24, 32, 40

The number 40 can be used as the common denominator.

Step 2

Rename $\frac{4}{10}$ and $\frac{3}{8}$ using 40 as the common denominator.

Multiply the numerator and denominator by the same nonzero number.

$\frac{4}{10}$ $\frac{4 \times 4}{10 \times 4} = \frac{16}{40}$ $\frac{3}{8}$ $\frac{3 \times 5}{8 \times 5} = \frac{15}{40}$

So, $\frac{16}{40}$ and $\frac{15}{40}$ is one way to rename $\frac{4}{10}$ and $\frac{3}{8}$ using a common denominator.

In **1–9**, find a common denominator for each pair of fractions. Then write equivalent fractions with the common denominator.

1. $\frac{1}{3}$ and $\frac{4}{9}$

$\frac{1}{3}$ **Multiples of the denominator:** _____ **Rename** $\frac{1}{3}$**:** _____

$\frac{4}{9}$ **Multiples of the denominator:** _____ **Rename** $\frac{4}{9}$**:** _____

Common Denominator: _____ **Rename.** $\frac{1 \times \square}{3 \times \square} = \frac{\square}{\square}$ $\frac{4 \times \square}{9 \times \square} = \frac{\square}{\square}$

2. $\frac{3}{4}$ and $\frac{2}{5}$

3. $\frac{4}{7}$ and $\frac{2}{3}$

4. $\frac{1}{2}$ and $\frac{7}{11}$

5. $\frac{5}{12}$ and $\frac{3}{5}$

6. $\frac{5}{4}$ and $\frac{11}{16}$

7. $\frac{6}{7}$ and $\frac{1}{5}$

8. $\frac{9}{15}$ and $\frac{4}{9}$

9. $\frac{5}{6}$ and $\frac{8}{21}$

Enrichment

Name: _____ Date: _____

LESSON 4

Shift It!

Directions: Use equations to solve each problem. Show your work.

1. $4 \times 10^2 =$ _____

2. $4 \times 10^3 =$ _____

3. Why do the numbers shift to the left when multiplying a whole number by a power of 10? Explain your reasoning.

_____

_____

_____

4. $4 \div 10^2 =$ _____

5. $4 \div 10^3 =$ _____

6. Why does the decimal point shift to the left when dividing a whole number by a power of 10? Explain your reasoning.

_____

_____

_____

LESSON 4

Name: _____ Date: _____

Power Patterns

Directions: Use equations to solve each problem. Show your work.

1. $6 \times 10^3 =$ _____

2. $7 \times 10^2 =$ _____

3. Explain the connection between the powers of 10 and the number of zeros in the product.

_____

_____

_____

4. $3 \div 10^2 =$ _____

5. $8 \div 10^3 =$ _____

6. Explain the connection between the shifting of the decimal point when dividing by powers of 10.

_____

_____

_____

Name: _____ Date: _____

LESSON 4

Quick Check

Directions: Solve the following problems. Choose the correct answer.

1. $8 \times 10^2 =$
   - (A) 0.8
   - (B) 0.08
   - (C) 80
   - (D) 800

2. $4 \div 10^2 =$
   - (A) 0.4
   - (B) 0.04
   - (C) 40
   - (D) 400

3. $3 \times 10^3 =$
   - (A) 0.3
   - (B) 0.03
   - (C) 300
   - (D) 3,000

4. $2 \div 10^1 =$
   - (A) 0.2
   - (B) 0.02
   - (C) 20
   - (D) 200

5. Explain how to solve the problem 5×10^3.

6. Explain how to solve the problem $9 \div 10^2$.

LESSON 4

Name: _____ Date: _____

Refocus

Directions: Solve each problem. Show your work.

1. Use a place value chart.

$4 \times 10^2 =$ _____

2. Use a place value chart.

$8 \times 10^2 =$ _____

$4 \div 10^2 =$ _____

$8 \div 10^2 =$ _____

Name: _____ Date: _____

LESSON 4

Independent Practice

Directions: Solve the following problems.

1. $5 \times 10^1 =$ _____

   $5 \times 10^2 =$ _____

   $5 \times 10^3 =$ _____

   $5 \times 10^4 =$ _____

   $5 \times 10^5 =$ _____

   $5 \times 10^6 =$ _____

2. $8 \div 10^1 =$ _____

   $8 \div 10^2 =$ _____

   $8 \div 10^3 =$ _____

   $8 \div 10^4 =$ _____

   $8 \div 10^5 =$ _____

   $8 \div 10^6 =$ _____

3. Create five of your own problems that multiply or divide by the powers of 10.

_____

_____

_____

_____

_____

Enrichment