Common Assessment Review

Name: ANSWER KEY

Students and Parents,

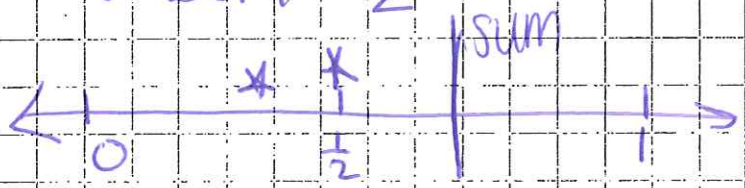
This packet is to be used all week to help prepare for your Common Assessment. You can also review notes, old workbook pages, and old quizzes and tests. Redoing the pages in this packet will help you remember all we have learned throughout the quarter. Remember the Common 1 Assessment will be on **Thursday, November 9, 2017.**

Common Assessment Review Q1

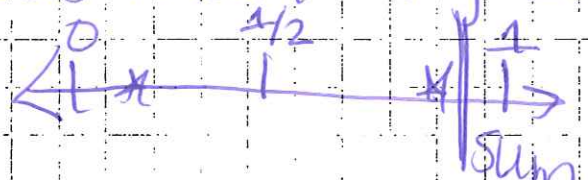
Do Not Solve

Tell me what you know about the <u>sum</u> using benchmark fractions.

(A) $\frac{1}{3} + \frac{1}{2}$ Less than 1, greater than $\frac{1}{2}$



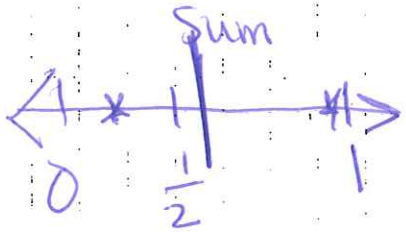
(B) $\frac{1}{5} + \frac{3}{4}$ Less than 1, greater than $\frac{1}{2}$



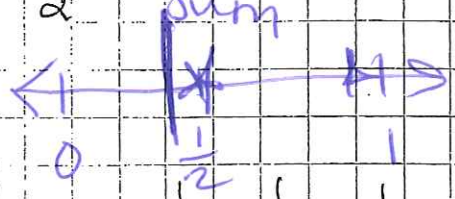
(C) $\frac{1}{8} + \frac{9}{8}$ More than 1

Tell me what you know about the <u>difference</u>

(A) $\frac{7}{8} - \frac{1}{4}$ Greater than $\frac{1}{2}$

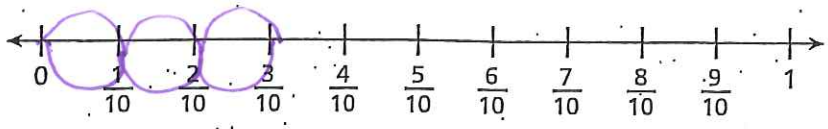


(B) $\frac{8}{9} - \frac{1}{2}$ Less than $\frac{1}{2}$



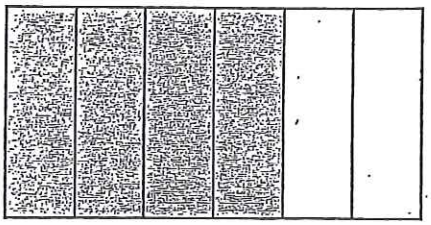
Now solve to check.

1. Peter lives $\frac{3}{10}$ mile from the soccer fields. How far does Peter walk in all if he walks from home to the soccer fields and back home?



$\frac{6}{10}$

2. Alton shoveled snow on $\frac{4}{6}$ of his driveway before lunch. Then he shoveled $\frac{2}{6}$ of it after lunch. How much more of his driveway did Alton shovel before lunch than after lunch?



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

Name _____ Date _____

Solve. Show your work.

18. Monroe's basketball team spent $\frac{1}{6}$ of practice shooting free throws and another $\frac{2}{3}$ of practice working on defense. Which equation can be used to find how much of the practice the team spent shooting free throws or working on defense?

Ⓕ $\frac{1}{6} + \frac{1}{6} = \frac{1}{3}$

Ⓖ $\frac{2}{6} + \frac{1}{3} = \frac{2}{3}$

Ⓗ $\frac{2}{3} - \frac{1}{6} = \frac{1}{2}$

Ⓚ $\frac{2}{3} + \frac{1}{6} = \frac{5}{6}$

$\frac{1}{6}$ + $\frac{2}{3}$

Solve.

1. Write a fraction equivalent to $\frac{6}{9}$. ×2 ×2 or ÷3 ÷3

$\frac{12}{18}$, $\frac{2}{3}$, etc.

2. Write a fraction equivalent to $\frac{5}{8}$. ×2 ×2

$\frac{10}{16}$

© Houghton Mifflin Harcourt Publi

4. If you have $\frac{3}{4}$ cup of flour, how many eighths do you have?

$\frac{6}{8}$ $\quad \frac{3}{4} \times 2 = \frac{6}{8}$

5. If you have $\frac{3}{12}$ of an orange, how many fourths do you have?

$\frac{1}{4}$ $\quad \frac{3}{12} \div 3 = \frac{1}{4}$

doesn't work!

$\frac{10}{12} \div 3 = \frac{\square}{4}$

6. Which is greater, $\frac{3}{4}$ or $\frac{10}{12}$? _____

$\frac{3}{4} \times 3 = \frac{9}{12}$ $\quad \frac{10}{12} \div 2 = \frac{5}{6}$

7. Give two equivalent fractions for $\frac{6}{8}$. $\frac{12}{16}$ $\quad \frac{3}{4}$

$\times 2$ $\quad \div 2$

Write the multiplier or divisor for each pair of equivalent fractions.

2. $\frac{4}{12} = \frac{1}{3}$ Divisor = 4

3. $\frac{2}{9} = \frac{6}{27}$ Multiplier = 3

4. $\frac{6}{60} = \frac{1}{10}$ Divisor = ~~10~~ 6

5. $\frac{3}{10} = \frac{15}{50}$ Multiplier = 5

6. $\frac{21}{56} = \frac{3}{8}$ Divisor = 7

7. $\frac{5}{7} = \frac{30}{42}$ Multiplier = 6

8. $\frac{4}{16} = \frac{1}{4}$ Divisor = 4

9. $\frac{5}{9} = \frac{25}{45}$ Multiplier = 5

10. $\frac{10}{60} = \frac{1}{6}$ Divisor = 10

11. $\frac{3}{7} = \frac{18}{42}$ Multiplier = 6

12. $\frac{24}{56} = \frac{3}{7}$ Divisor = 8

13. $\frac{5}{6} = \frac{35}{42}$ Multiplier = 7

9. Compare. Which is true?

Ⓐ $\frac{3}{5} > \frac{3}{4}$ Ⓑ $\frac{4}{7} > \frac{4}{6}$ Ⓒ $\frac{5}{8} < \frac{3}{8}$ Ⓓ $\frac{5}{12} < \frac{7}{12}$

10. Compare. Which is true?

Ⓕ $\frac{3}{4} < \frac{8}{11}$ Ⓖ $\frac{3}{8} > \frac{4}{11}$ Ⓗ $\frac{3}{11} < \frac{2}{8}$ Ⓚ $\frac{3}{4} > \frac{11}{12}$

$\frac{33}{88}$ $\quad \frac{32}{88}$

Write the mixed number as a fraction.

4. $2\frac{1}{3} = \frac{7}{3}$ 5. $4\frac{2}{5} = \frac{22}{5}$ 6. $3\frac{3}{4} = \frac{15}{4}$ 7. $1\frac{5}{8} = \frac{13}{8}$

Write the fraction as a mixed number.

8. $\frac{7}{6} = 1\frac{1}{6}$ 9. $\frac{8}{3} = 2\frac{2}{3}$ 10. $\frac{9}{2} = 4\frac{1}{2}$ 11. $\frac{10}{7} = 1\frac{3}{7}$

Add or subtract.

12. $\frac{2}{5} \times 3 = \frac{6}{15}$, $\frac{1}{3} \times 5 = \frac{5}{15}$

$+$

$\frac{11}{15}$

13. $\frac{3}{4} \times 3 = \frac{9}{12}$, $\frac{2}{3} \times 4 = \frac{8}{12}$

$-$

$\frac{1}{12}$

14. $3\frac{3}{5} \times 4 = \frac{12}{20}$, $2\frac{1}{4} \times 4 = \frac{4}{20}$

$-$

$1\frac{8}{20}$ or $1\frac{2}{5}$ $\div 4$

15. $\frac{1}{2} = \frac{3}{6}$, $3\frac{1}{6} = \frac{1}{6}$

$+$

$3\frac{4}{6}$ or $3\frac{2}{3}$

16. $8\frac{7}{8} \times 3 = \frac{21}{24}$, $3\frac{2}{3} \times 8 = \frac{16}{24}$

$-$

$5\frac{5}{24}$

17. $1\frac{7}{8}$

$+ 1\frac{1}{5}$

© Houghton Mifflin Harcourt Publishing Company

1-6

Homework

Name _____ Date _____

Add or subtract.

1. $\frac{3}{5} + \frac{4}{5}$ $\frac{7}{5}$ $1\frac{2}{5}$

2. $\frac{6}{4} + \frac{3}{4}$ $\frac{9}{4}$ $2\frac{1}{4}$

3. $4\frac{2}{9} + 2\frac{7}{9}$ $6\frac{9}{9}$ or 7

4. $1\frac{7}{8} + 3\frac{3}{8}$ $4\frac{10}{8}$ or $5\frac{2}{8}$ or $5\frac{1}{4}$

5. $1\frac{7}{9} - \frac{4}{9}$ $1\frac{3}{9}$ or $1\frac{1}{3}$

6. $4\frac{6}{7} - 2\frac{5}{7}$ $2\frac{1}{7}$

7. $6\frac{4}{5} - 3\frac{2}{5}$ $3\frac{2}{5}$

8. $25\frac{5}{8} - 10\frac{1}{8}$ $15\frac{4}{8}$

9. $4\frac{1}{2} + 5\frac{1}{2}$ $9\frac{2}{2}$ or 10

10. $3\frac{1}{7} + 2\frac{1}{7}$ $5\frac{2}{7}$

11. $1\frac{5}{7} + 1\frac{3}{7}$ $2\frac{8}{7}$ or $3\frac{1}{7}$

12. $50\frac{1}{3} + 50\frac{1}{3}$ $100\frac{2}{3}$

13. $2 - \frac{1}{3}$ $1\frac{2}{3}$

14. $5\frac{3}{8} - 2\frac{7}{8}$ $2\frac{4}{8}$ or $2\frac{1}{2}$

15. $2\frac{1}{6} - 1\frac{5}{6}$ $\frac{2}{6}$ or $\frac{1}{3}$

Solve. *Show your work.*

16. I made a clay snake $9\frac{5}{8}$ inches long, but a section $1\frac{7}{8}$ inches long broke off. How long is the snake now?

$7\frac{6}{8}$ in or $7\frac{3}{4}$

17. A group of campers hiked for $5\frac{3}{4}$ hours today and $6\frac{3}{4}$ hours yesterday. How many hours did they hike in all?

$12\frac{2}{4}$ hours or $12\frac{1}{2}$ hours

18. Deacon had $12\frac{1}{3}$ ounces of juice, but he drank $3\frac{2}{3}$ ounces. How much juice is left?

$8\frac{2}{3}$ oz

© Houghton Mifflin Harcourt Publishing Company

1-9

Homework

Name _____ Date _____

Add or subtract.

1. $7\frac{1}{2} + 6\frac{5}{8} = 14\frac{1}{8}$

2. $2\frac{3}{5} + 5\frac{1}{4} = 7\frac{17}{20}$

3. $5\frac{3}{8} + 2\frac{3}{4} = 8\frac{1}{8}$

4. $3\frac{4}{15} - 1\frac{1}{5} = 2\frac{1}{15}$

5. $9\frac{5}{6} - 4\frac{1}{8} = 5\frac{17}{24}$

6. $1\frac{1}{9} + 3\frac{5}{8} = 4\frac{53}{72}$

7. $8\frac{1}{6} - 2\frac{7}{12} = 5\frac{7}{12}$

8. $6\frac{7}{9} - 4\frac{2}{3} = 2\frac{1}{9}$

9. $3\frac{9}{14} - 1\frac{2}{7} = 2\frac{5}{14}$

Solve.

Show your work.

10. Last year my elm tree was $8\frac{5}{6}$ feet tall. This year it is $10\frac{1}{12}$ feet tall. How much did it grow in one year?

$1\frac{3}{12}$ feet $= 1\frac{1}{4}$ feet

11. Luis rode his bicycle $2\frac{3}{10}$ miles before lunch. He rode $1\frac{1}{4}$ miles after lunch. How far did Luis ride altogether?

$3\frac{22}{40}$ miles $= 3\frac{11}{20}$ miles

12. Carrie spent $2\frac{1}{2}$ hours trimming bushes and $1\frac{1}{4}$ hours weeding the garden. She is supposed to work in the yard for 5 hours. How much longer does she need to work?

$1\frac{1}{4}$ hours

© Houghton Mifflin Harcourt Publishing Company

Unit 2
Quick Quiz 1

Name _____ Date _____

Compare. Write >, <, or =.

1. 0.105 (>) 0.051

2. 0.1 (=) 0.10

3. Becca uses 100 beads to make a necklace. What decimal number would 3 beads represent?

0.03

4. What is the word name for the number 15,406.901?

fifteen thousand four hundred
Six and nine hundred one thousanths

5. Write the number 820.681 in expanded form, using powers of ten.

$(8 \times 100) + (2 \times 10) + (6 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

© Houghton Mifflin Harcourt Publishing Company

Unit 2 Quick Quiz 2

Name _____ Date _____

Add or subtract.

1. $\begin{array}{r} 879.26 \\ +\ \ 8.85 \\ \hline 888.11 \end{array}$

2. $\begin{array}{r} 1,041.03 \\ -\ \ 52.14 \\ \hline 988.89 \end{array}$

Solve. *Show your work.*

3. Lauren needs 3.6 meters of ribbon to make a bow. She cuts the ribbon off a roll that has 26.45 meters of ribbon. How many meters of ribbon are left on the roll?

$26.45 - 3.60 = 22.85$

22.85 meaters

4. Annie uses the Commutative and Associative Properties to add the numbers. Show how to use these properties to find the sum.

$6.35 + 6.2 + 1.9 + 3.8 + 9.65$

$(3.80 + 6.20) + (9.65 + 6.35) + 1.9 = 27.9$

$6.2 + 3.8 + 6.35 + 1.9 + 9.65 = 27.9$

5. A poster is 66.05 centimeters high and 35.4 centimeters long. What is the difference, in centimeters, between the height and length of the poster?

$66.05 - 35.40 = 30.65$

30.65 cen

Unit 2 Quick Quiz 3

Name _____ Date _____

Write the correct answer.

1. Round 48.614 to the nearest whole number.

49

2. Round 8.042 to the nearest hundredth.

8.040

8.042
8.040

Solve.

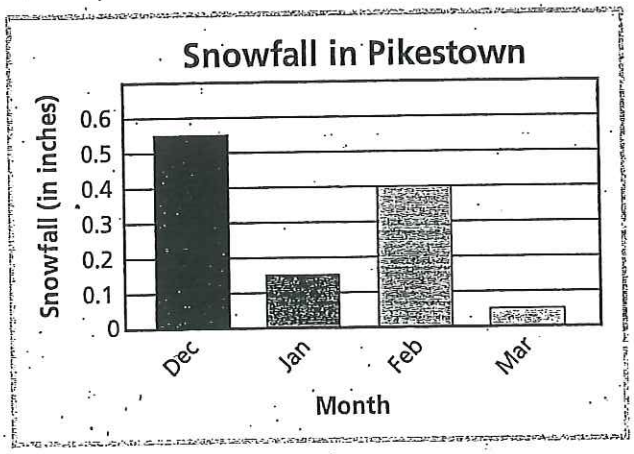
Show your work.

3. Jena ran 2.82 kilometers on Monday, 3.44 kilometers on Tuesday, and 4.15 kilometers on Wednesday. About how many kilometers, to the nearest tenth, did she run in all?

10.40

2.82
3.44
4.15
10.41

4. The graph shows the snowfall in Brett's hometown.



0.55
0.15
0.40
0.05
1.15

What was the total snowfall, in inches, for all four months?

1.15

5. The average orbital distance from the Sun to Mercury is 0.39 AU (astronomical units). The average orbital distance from the Sun to Venus is 0.72 AU. What is the average distance between the orbits of Mercury and Venus in AU?

.33 AU

0.72
-0.39
.33 AU

Unit 2 Test
Form A

Name _____ Date _____

Write the correct answer.

Use the Associative Property to add. Show your work.

M 1. 2.57 + 1.7 + 5.3

(5.30 + 1.70) + 2.57 =

M 2. 3.25 + (7.75 + 4.89)

(3.25 + 7.75) + 4.89

M 3. Write a number in which the digit 8 is ten times the value of the digit 8 in 4.381.

4,873

M 4. Write a number in which the digit 2 is one tenth the value of the digit 2 in 8.524.

8.582

M 5. Write 247.903 in expanded form.

$200 + 40 + 7 + (9 \times \frac{1}{10}) + 3 \times \frac{1}{1000} =$

$200 + 40 + 7 + \frac{9}{10} + \frac{3}{1000}$

or

$200 + 40 + 7 + .9 + .003$

© Houghton Mifflin Harcourt Publishing Company