

Name: _____

SBCA – Summer Break Packet for Entering 6th Grade



SUMMER BREAK PACKET

Complete this packet over the summer and bring it in to Ms. Rodriguez in September. You will receive a quiz grade for this packet. Try your best and show all of your work on paper, which you should staple to the packet and hand in to Ms. Rodriguez in September.

Follow the schedule below to help you complete your work on time:

<input type="checkbox"/>	Week 1	July 10 – July 14	Review factors and multiples
<input type="checkbox"/>	Week 2	July 17 – July 21	Review division with one- and two- digit divisors
<input type="checkbox"/>	Week 3	July 24 – July 28	Review making equivalent fractions and reducing fractions
<input type="checkbox"/>	Week 4	July 30 – August 4	Adding and subtracting fractions with like denominators
<input type="checkbox"/>	Week 5	August 7 – August 11	Multiplying fractions
<input type="checkbox"/>	Week 6	August 21 – August 25	Dividing fractions
<input type="checkbox"/>	Week 7	August 28 – September 1	Review adding and subtracting decimals

Week 1

Factors are numbers we can multiply together to get another number. For example, 2 and 3 are factors of 6, because $2 \times 3 = 6$.

Multiples are what we get after multiplying two numbers. For example, 12 is a multiple of 3, because $3 \times 4 = 12$.

1) Which of the following sets of numbers are **all** of the factors of 24?

- A. 1, 2, 8, 24
- B. 2, 4, 6, 8, 12, 24
- C. 2, 3, 4, 6, 8, 12
- D. 1, 2, 3, 4, 6, 7, 12, 24

2) Which of the following numbers is a multiple of 8?

- A. 18
- B. 24
- C. 44
- D. 56

3) 12, 24, 30, and 42 are all multiples of:

- A. 5
- B. 6
- C. 7
- D. 8

4) Which number is a multiple of 3?

- A. 83
- B. 84
- C. 85
- D. 86

5) Which of the following sets of numbers are all multiples of 7?

- A. 35, 47, 52
- B. 35, 36, 37
- C. 35, 42, 49
- D. 37, 47, 57

6) Which choice does NOT contain any multiples of 4?

- A. 24, 36, 42, 54
- B. 12, 15, 20, 24
- C. 8, 16, 24, 34
- D. 6, 10, 14, 18

7) I am a factor of 36 and a multiple of 3.

What number am I?

- A. 2
- B. 4
- C. 12
- D. 15

8) My number is a multiple of 5. It is less than 100 and has a factor of 6. What number is it?

- A. 25
- B. 60
- C. 36
- D. 66

9) Which of the following sets of numbers are **all** of the factors of 36?

- A. 1, 2, 3, 4, 9, 12, 18, 36
- B. 1, 2, 18, 36
- C. 1, 2, 3, 4, 6, 9, 12, 18, 36
- D. 1, 2, 3, 4, 6, 7, 12, 9, 16, 36

Complete the products:

$$\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 5 \end{array}$$

$$\begin{array}{r} 11 \\ \times 9 \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \end{array}$$

$$\begin{array}{r} 10 \\ \times 10 \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \end{array}$$

$$\begin{array}{r} 12 \\ \times 11 \end{array}$$

$$\begin{array}{r} 10 \\ \times 1 \end{array}$$

$$\begin{array}{r} 12 \\ \times 10 \end{array}$$

$$\begin{array}{r} 1 \\ \times 8 \end{array}$$

$$\begin{array}{r} 8 \\ \times 10 \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \end{array}$$

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$$\begin{array}{r} 12 \\ \times 12 \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \end{array}$$

$$\begin{array}{r} 11 \\ \times 1 \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \end{array}$$

$$\begin{array}{r} 8 \\ \times 11 \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \end{array}$$

$$\begin{array}{r} 5 \\ \times 10 \end{array}$$

$$\begin{array}{r} 3 \\ \times 12 \end{array}$$

$$\begin{array}{r} 1 \\ \times 12 \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \end{array}$$

$$\begin{array}{r} 10 \\ \times 12 \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \end{array}$$

$$\begin{array}{r} 1 \\ \times 6 \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \end{array}$$

$$\begin{array}{r} 6 \\ \times 1 \end{array}$$

$$\begin{array}{r} 1 \\ \times 3 \end{array}$$

$$\begin{array}{r} 11 \\ \times 11 \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \end{array}$$

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$$\begin{array}{r} 6 \\ \times 10 \end{array}$$

$$\begin{array}{r} 3 \\ \times 10 \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \end{array}$$

$$\begin{array}{r} 3 \\ \times 2 \end{array}$$

$$\begin{array}{r} 8 \\ \times 12 \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \end{array}$$

$$\begin{array}{r} 10 \\ \times 8 \end{array}$$

$$\begin{array}{r} 12 \\ \times 6 \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \end{array}$$

$$\begin{array}{r} 12 \\ \times 7 \end{array}$$

$$\begin{array}{r} 7 \\ \times 11 \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \end{array}$$

$$\begin{array}{r} 2 \\ \times 10 \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \end{array}$$

$$\begin{array}{r} 4 \\ \times 10 \end{array}$$

$$\begin{array}{r} 7 \\ \times 12 \end{array}$$

$$\begin{array}{r} 1 \\ \times 10 \end{array}$$

$$\begin{array}{r} 9 \\ \times 11 \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \end{array}$$

$$\begin{array}{r} 11 \\ \times 6 \end{array}$$

$$\begin{array}{r} 11 \\ \times 12 \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \end{array}$$

$$\begin{array}{r} 11 \\ \times 7 \end{array}$$

$$\begin{array}{r} 4 \\ \times 12 \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \end{array}$$

$$\begin{array}{r} 10 \\ \times 9 \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \end{array}$$

$$\begin{array}{r} 1 \\ \times 7 \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \end{array}$$

$$\begin{array}{r} 9 \\ \times 1 \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \end{array}$$

10) Solve $136 - 67$

- A. 61
- B. 69
- C. 71
- D. 79

11) Solve $206 - 48$

- A. 158
- B. 242
- C. 162
- D. 262

12) The students in your class collected pop cans to raise money for a class trip. The goal for each student was to collect 150 cans each. There are 27 students in your class. How many cans would that be altogether?

- A. 177 cans
- B. 405 cans
- C. 1,350 cans
- D. 4,050 cans

13) Selena collects stamps in a book. She has 14 stamps on each page in her book. There are 123 pages in the book. If she fills every page in the book, how many stamps does she have in her entire book?

- A. 4,512 stamps
- B. 395 stamps
- C. 806 stamps
- D. 1,722 stamps

Solve the following:

$$\begin{array}{r} 27 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ \times 88 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ \times 61 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ \times 72 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ \times 90 \\ \hline \end{array}$$

$$\begin{array}{r} 292 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 427 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 549 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 893 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 726 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 333 \\ \times 33 \\ \hline \end{array}$$

$$\begin{array}{r} 749 \\ \times 68 \\ \hline \end{array}$$

$$\begin{array}{r} 305 \\ \times 22 \\ \hline \end{array}$$

$$\begin{array}{r} 837 \\ \times 41 \\ \hline \end{array}$$

2,749

x 57

3,210

x 48

9,234

x 60

Week 2

1) What is 1,486 divided by 3? Show your work.

- A. 4,812 r 0
- B. 495 r 1
- C. 280 r 10
- D. 496 r 0

2) What is 2,520 divide by 10? Show your work.

- A. 25, 200
- B. 2, 520
- C. 253
- D. 252

3) What is the value of this expression:

$$420 \div 4$$

- A. 15
- B. 100

- C. 105
- D. 150

4) There are 168 lunches to be shared equally among 3 fourth-grade classes. How many lunches will go to each class?

- A. 56
- B. 165
- C. 171
- D. 504

5) What is the value of this expression:

$$3,750 \div 10$$

- A. 370
- B. 375
- C. 3,740
- D. 37,500

6) Which division problem is correct? Show your work.

- A. $4,836 \div 6 = 86$
- B. $4,836 \div 6 = 806$
- C. $3,215 \div 5 = 641$
- D. $3,215 \div 5 = 603$

7) If $600 \div \underline{\quad} = 300$, what number goes in the space?

- A. 200
- B. 30
- C. 20
- D. 2

8) Fill in the blank with the number that makes this math sentence correct:

$$12 \times \underline{\quad} = 60$$

- A. 7
- B. 4
- C. 6
- D. 5

9) If $\underline{\quad} \div 7 = 21$, what number goes in the space?

- A. 3
- B. 28
- C. 141
- D. 147

10) If $\underline{\quad} \div 8 = 32$, what number goes in the space?

- A. 4
- B. 24
- C. 40
- D. 256

11) If $100 \div \underline{\quad} = 20$, what number goes in the space?

- A. 4
- B. 5
- C. 80
- D. 120

12) If $270 \div \underline{\quad} = 27$, what number goes in the space?

- A. 7
- B. 8
- C. 9
- D. 10

13) Suppose 33 photos are placed in a photo album. How many pages are needed if 3 photos fit on a page? Show your work.

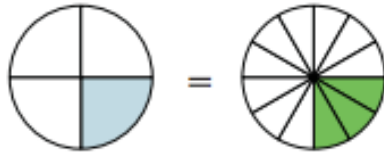
- A. 9 pages
- B. 10 pages
- C. 11 pages
- D. 12 pages

Week 3:

1) Equivalent fractions: Shade in the visual fraction to find the equivalent fraction

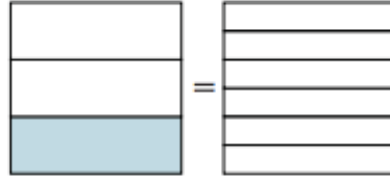
Ex)

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



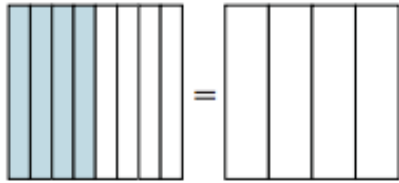
1)

$$\frac{1}{3} =$$



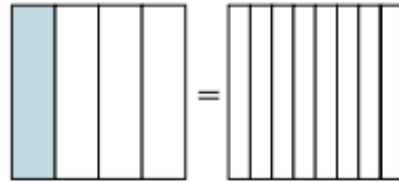
2)

$$\frac{4}{8} =$$



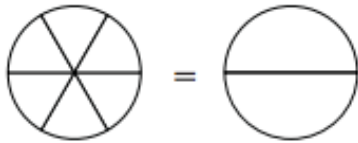
3)

$$\frac{1}{4} =$$



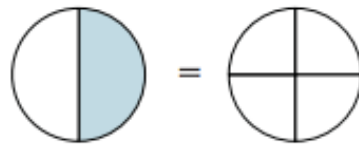
4)

$$\frac{0}{6} =$$



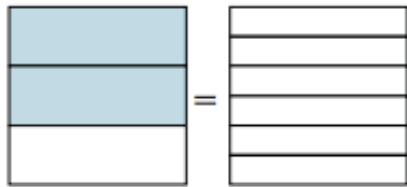
5)

$$\frac{1}{2} =$$



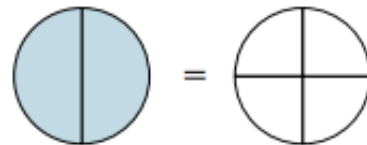
6)

$$\frac{2}{3} =$$



7)

$$\frac{2}{2} =$$



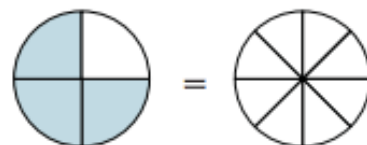
8)

$$\frac{3}{6} =$$



9)

$$\frac{3}{4} =$$



2) Find the number that makes an equivalent fraction.

Ex) $\frac{8}{10} = \frac{40}{50}$

1) $\frac{2}{8} = \frac{\quad}{32}$

2) $\frac{4}{6} = \frac{\quad}{48}$

3) $\frac{3}{5} = \frac{\quad}{45}$

4) $\frac{1}{2} = \frac{\quad}{12}$

5) $\frac{1}{2} = \frac{\quad}{16}$

6) $\frac{3}{4} = \frac{18}{\quad}$

7) $\frac{5}{7} = \frac{\quad}{70}$

8) $\frac{1}{2} = \frac{3}{\quad}$

9) $\frac{1}{2} = \frac{9}{\quad}$

10) $\frac{1}{4} = \frac{10}{\quad}$

11) $\frac{3}{4} = \frac{30}{\quad}$

12) $\frac{2}{5} = \frac{4}{\quad}$

13) $\frac{2}{3} = \frac{\quad}{12}$

14) $\frac{5}{7} = \frac{\quad}{35}$

3) Reduce each fraction as much as possible.

Ex) $\frac{10}{40} = \frac{1}{4}$

1) $\frac{8}{64} = \frac{\quad}{\quad}$

2) $\frac{40}{64} = \frac{\quad}{\quad}$

$$3) \frac{50}{60} = \underline{\quad}$$

$$4) \frac{18}{27} = \underline{\quad}$$

$$5) \frac{3}{24} = \underline{\quad}$$

$$6) \frac{8}{12} = \underline{\quad}$$

$$7) \frac{30}{80} = \underline{\quad}$$

$$8) \frac{8}{48} = \underline{\quad}$$

$$9) \frac{40}{48} = \underline{\quad}$$

$$10) \frac{16}{24} = \underline{\quad}$$

$$11) \frac{24}{32} = \underline{\quad}$$

$$12) \frac{21}{28} = \underline{\quad}$$

$$13) \frac{21}{56} = \underline{\quad}$$

$$14) \frac{9}{36} = \underline{\quad}$$

Week 4:

1) Add and subtract fractions with like denominators

$$1) \frac{1}{2} - \frac{1}{2} =$$

$$2) \frac{4}{6} - \frac{2}{6} =$$

$$3) \frac{3}{6} - \frac{1}{6} =$$

$$4) \frac{9}{10} - \frac{1}{10} =$$

$$5) \frac{5}{10} - \frac{3}{10} =$$

$$6) \frac{2}{6} - \frac{1}{6} =$$

$$7) \frac{3}{4} - \frac{2}{4} =$$

$$8) \frac{8}{10} - \frac{2}{10} =$$

$$9) \frac{8}{12} - \frac{1}{12} =$$

$$10) \frac{6}{10} - \frac{3}{10} =$$

$$11) \frac{2}{5} + \frac{2}{5} =$$

$$12) \frac{1}{5} + \frac{1}{5} =$$

$$13) \frac{1}{3} + \frac{2}{3} =$$

$$14) \frac{2}{12} + \frac{3}{12} =$$

$$15) \frac{4}{8} + \frac{1}{8} =$$

$$16) \frac{6}{12} + \frac{5}{12} =$$

$$17) \frac{3}{4} + \frac{3}{4} =$$

$$18) \frac{3}{4} + \frac{2}{4} =$$

$$19) \frac{2}{10} + \frac{9}{10} =$$

$$20) \frac{9}{10} + \frac{4}{10} =$$

Week 5

1) Multiplying fractions.

Watch on Youtube: <https://www.youtube.com/watch?v=MYrxikDJWoA>

There are 3 steps to multiplying fractions:

Example: $\frac{2}{5} \times \frac{3}{4}$

(1) Multiply the numerators

(2) Multiply the denominators

(3) Reduce if possible

$$\frac{2}{5} \times \frac{3}{4} = \frac{6}{20}$$

$$\frac{2}{5} \times \frac{3}{4} = \frac{6}{20}$$

$$\frac{6}{20} = \frac{3}{10}$$

That's it! So much easier than adding and subtracting fractions, right?!

Try these problems:

1. $\frac{6}{8} \times \frac{3}{12} =$ _____

2. $\frac{1}{2} \times \frac{4}{5} =$ _____

3. $\frac{2}{4} \times \frac{7}{8} =$ _____

4. $\frac{2}{7} \times \frac{7}{9} =$ _____

5. $\frac{4}{10} \times \frac{1}{6} =$ _____

6. $\frac{2}{5} \times \frac{1}{4} =$ _____

7. $\frac{2}{3} \times \frac{3}{10} =$ _____

8. $\frac{8}{10} \times \frac{4}{7} =$ _____

9. $\frac{8}{12} \times \frac{1}{5} =$ _____

10. $\frac{5}{7} \times \frac{1}{3} =$ _____

2) Multiplying a fraction by a whole number.

The steps to multiply a fraction by a whole number are the same! However, before you start, you need to change the whole number into a fraction. Remember, all whole numbers are a fraction *with a denominator of 1*.

$$\text{So, } 3 = \frac{3}{1}, 72 = \frac{72}{1}, 104 = \frac{104}{1}, \text{ and so on.}$$

Watch on Youtube: <https://www.youtube.com/watch?v=31NwshbjCtA>

Try these problems:

1. $1 \times \frac{1}{6} =$ _____

2. $9 \times \frac{7}{10} =$ _____

3. $7 \times \frac{4}{8} =$ _____

4. $\frac{1}{2}$ of 2 = _____

5. $\frac{1}{12}$ of 1 = _____

6. $\frac{2}{6}$ of 2 = _____

7. $\frac{1}{3}$ of 5 = _____

8. $\frac{3}{10}$ of 8 = _____

9. $\frac{1}{5}$ of 5 = _____

10. $\frac{2}{4}$ of 9 = _____

11. $8 \times \frac{1}{8} =$ _____

12. $9 \times \frac{4}{6} =$ _____

13. $\frac{4}{5}$ of 5 = _____

14. $7 \times \frac{5}{10} =$ _____

3) Multiplying mixed numbers

Again, multiplying mixed numbers follows the same three easy steps as multiplying regular fractions. However, before you start, you need to convert the mixed numbers into improper fractions. If you forgot how to do that, don't worry! I put a Youtube video below to help you!

Watch on youtube how to change mixed numbers into improper fractions:

<https://www.youtube.com/watch?v=shpf9krdXQQ>

Watch on youtube how to multiply mixed numbers:

<https://www.youtube.com/watch?v=aL3znpsf8X0>

Try these problems:

1. $1\frac{2}{4} \times 3\frac{5}{6} =$ _____

2. $1\frac{1}{6} \times 2\frac{6}{12} =$ _____

3. $2\frac{1}{2} \times 3\frac{4}{5} =$ _____

4. $3\frac{1}{3} \times 1\frac{4}{10} =$ _____

5. $3\frac{3}{4} \times 3\frac{2}{9} =$ _____

6. $3\frac{5}{6} \times 2\frac{1}{2} =$ _____

7. $1\frac{1}{2} \times 3\frac{1}{2} =$ _____

8. $1\frac{8}{12} \times 3\frac{2}{10} =$ _____

9. $3\frac{2}{6} \times 3\frac{2}{3} =$ _____

10. $3\frac{4}{5} \times 2\frac{3}{4} =$ _____

11. $1\frac{3}{4} \times 1\frac{2}{4} =$ _____

12. $2\frac{4}{5} \times 1\frac{1}{12} =$ _____

Week 6

1) Dividing Fractions

Dividing fractions is very similar to multiplying fractions – with a twist!

Watch on Youtube: <https://www.youtube.com/watch?v=zED6DFflsAI>

When dividing fractions, you need to **KEEP-CHANGE-FLIP the fractions** and then **multiply** them.

Example:

You **KEEP** the first fraction

You **CHANGE** the division sign
to multiplication

You **FLIP** the last fraction

Then, you multiply the fractions like normal!

Try these examples:

1. $\frac{1}{4} \div \frac{9}{10} =$ _____

2. $\frac{5}{9} \div \frac{1}{2} =$ _____

3. $\frac{1}{3} \div \frac{6}{9} =$ _____

4. $\frac{8}{10} \div \frac{2}{5} =$ _____

5. $\frac{3}{8} \div \frac{7}{8} =$ _____

6. $\frac{2}{5} \div \frac{1}{2} =$ _____

2) Dividing a fraction and a whole number

Similar to multiplying regular fractions, before dividing a fraction and a whole number, you need to change the whole number into a fraction with a denominator of 1.

Watch on Youtube: https://www.youtube.com/watch?v=wQJ76RT_3oM

Try these examples:

1. $\frac{2}{4} \div 3 =$ _____

2. $\frac{1}{5} \div 8 =$ _____

3. $\frac{1}{6} \div 6 =$ _____

4. $\frac{5}{8} \div 6 =$ _____

5. $\frac{1}{3} \div 5 =$ _____

6. $\frac{2}{10} \div 9 =$ _____

7. $\frac{1}{2} \div 7 =$ _____

8. $\frac{1}{4} \div 2 =$ _____

9. $\frac{7}{12} \div 8 =$ _____

10. $\frac{1}{5} \div 7 =$ _____

11. $\frac{1}{2} \div 4 =$ _____

12. $\frac{9}{10} \div 3 =$ _____

13. $\frac{1}{4} \div 6 =$ _____

14. $\frac{11}{12} \div 6 =$ _____

3) Dividing a mixed number by a mixed number

Similar to multiplying regular fractions, before dividing a mixed number by a mixed number, you need to change both fractions into improper fractions.

Watch on Youtube: <https://www.youtube.com/watch?v=to60s3KaxQs>

Try these examples:

1. $9\frac{2}{5} \div 1\frac{1}{3} =$ _____

2. $6\frac{1}{12} \div 4\frac{2}{5} =$ _____

3. $3\frac{1}{10} \div 2\frac{3}{4} =$ _____

4. $4\frac{1}{2} \div 2\frac{4}{5} =$ _____

5. $9\frac{1}{2} \div 5\frac{2}{3} =$ _____

6. $1\frac{1}{4} \div 4\frac{7}{8} =$ _____

7. $8\frac{5}{8} \div 2\frac{2}{4} =$ _____

8. $8\frac{4}{12} \div 3\frac{3}{4} =$ _____

9. $6\frac{1}{3} \div 3\frac{1}{2} =$ _____

Week 7

1) Adding and subtracting decimals

Remember: When adding or subtracting decimals, you need to

- (1) Write your decimals vertically
- (2) Line up the place values
- (3) Fill in any missing place holders
- (4) Add or subtract normally
- (5) Bring down the decimal

Watch on Youtube if you forgot: https://www.youtube.com/watch?v=V_pP919626E

VERTICAL PROBLEMS:

$$\begin{array}{r} \\ 1) \quad 89.61 \\ \quad -26.632 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 29 \\ \quad +27.69 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 71 \\ \quad -12.3 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 26 \\ \quad +13.824 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 51 \\ \quad -38.75 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 54.7 \\ \quad + 9.39 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 63.03 \\ \quad -59.688 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 83 \\ \quad +77.841 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 93 \\ \quad -32.2 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 66 \\ \quad + 8.84 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 33.97 \\ \quad - 8.851 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 48 \\ \quad +44.636 \\ \hline \end{array}$$

HORIZONTAL PROBLEMS:

1) $78.9 - 55.779 =$ _____

6) $65 + 56.8 =$ _____

2) $73 + 48.7 =$ _____

7) $58 - 45.183 =$ _____

3) $41.3 - 20.65 =$ _____

8) $79.3 + 10.21 =$ _____

4) $46 + 39.5 =$ _____

9) $17 - 1.2 =$ _____

5) $72 - 67.01 =$ _____

10) $92 + 8.83 =$ _____