

Name \_\_\_\_\_

Date \_\_\_\_\_

Menu Math Fractions III (Week 2) All

Class \_\_\_\_\_

**Directions:** Complete the below listed assignments in order while working independently this week. The packet is due Friday, December 11th.

\_\_\_\_\_ Page 1a – Renaming Fractions in order to Subtract

\_\_\_\_\_ Page 1b – Simplifying Fractions

\_\_\_\_\_ Page 2 – Whole Numbers Divided by Unit Fractions – Number Line

\_\_\_\_\_ Page 3 – 4: Dividing Whole Numbers and Unit Fractions

\_\_\_\_\_ Page 5 – 6: Mixed Operation Practice (Adding, Subtracting, and Multiplying)

\_\_\_\_\_ Page 7 – 8: Word Problem Practice

\_\_\_\_\_ Page 9-10: Mixed Operation Practice - BONUS

Name \_\_\_\_\_  
Renaming Fractions

Date \_\_\_\_\_  
Class \_\_\_\_\_

Rename each fraction as in the example below.

Ex:  $5 = 4\frac{3}{3}$  or  $4\frac{7}{7}$  or  $3\frac{6}{3}$ .

You can choose any numerator and denominator

1)  $6 = 5\frac{7}{7}$

2)  $4 = \underline{\hspace{2cm}}$

3)  $7 = \underline{\hspace{2cm}}$

4)  $5 = \underline{\hspace{2cm}}$

5)  $12 = \underline{\hspace{2cm}}$

6)  $15 = \underline{\hspace{2cm}}$

Use the above strategy to solve the following subtraction problems. See example below for guidance.

7)  $6\frac{1}{3} - 4\frac{2}{3}$

8)  $7\frac{1}{2} - 4\frac{3}{4}$

9)  $5\frac{8}{10} - 2\frac{9}{10}$

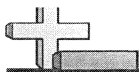
$\rightarrow 5\frac{3}{3} + \frac{1}{3} - 4\frac{2}{3}$

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

10)  $4\frac{1}{7} - 1\frac{3}{14}$

11)  $6\frac{2}{9} - 4\frac{2}{3}$

12)  $8\frac{1}{5} - 4\frac{1}{2}$



Reduce each fraction as much as possible.

Ex)  $\frac{5}{40} = \frac{1}{8}$

1)  $\frac{4}{16} = \underline{\hspace{2cm}}$

2)  $\frac{5}{20} = \underline{\hspace{2cm}}$

3)  $\frac{6}{9} = \underline{\hspace{2cm}}$

4)  $\frac{2}{4} = \underline{\hspace{2cm}}$

5)  $\frac{2}{16} = \underline{\hspace{2cm}}$

6)  $\frac{24}{32} = \underline{\hspace{2cm}}$

7)  $\frac{3}{6} = \underline{\hspace{2cm}}$

8)  $\frac{8}{12} = \underline{\hspace{2cm}}$

9)  $\frac{15}{24} = \underline{\hspace{2cm}}$

10)  $\frac{21}{56} = \underline{\hspace{2cm}}$

11)  $\frac{10}{60} = \underline{\hspace{2cm}}$

12)  $\frac{49}{56} = \underline{\hspace{2cm}}$

13)  $\frac{7}{56} = \underline{\hspace{2cm}}$

14)  $\frac{3}{12} = \underline{\hspace{2cm}}$

15)  $\frac{5}{15} = \underline{\hspace{2cm}}$

16)  $\frac{9}{72} = \underline{\hspace{2cm}}$

17)  $\frac{15}{18} = \underline{\hspace{2cm}}$

18)  $\frac{20}{32} = \underline{\hspace{2cm}}$

19)  $\frac{6}{16} = \underline{\hspace{2cm}}$

20)  $\frac{50}{80} = \underline{\hspace{2cm}}$

## Answers

Ex.  $\frac{1}{8}$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

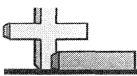
17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

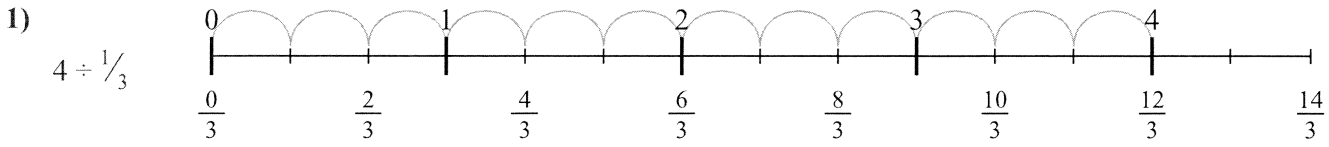
20. \_\_\_\_\_



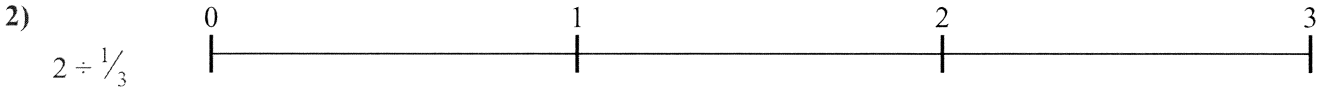


Use the numberline to solve each problem. The first is marked for you.

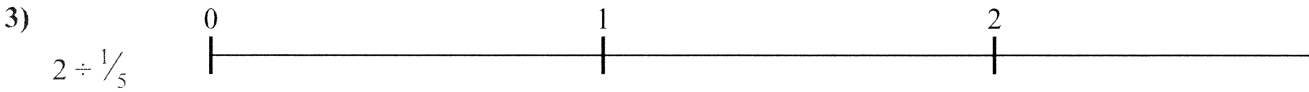
**Answers**



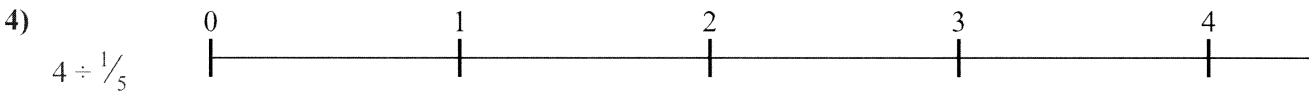
1. \_\_\_\_\_



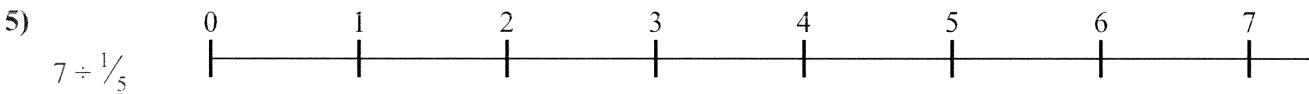
2. \_\_\_\_\_



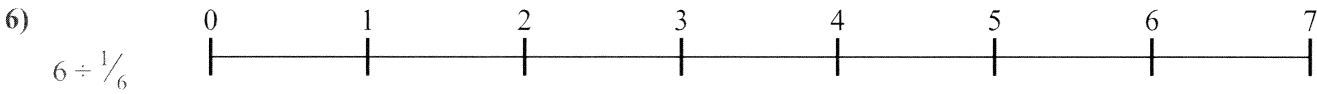
3. \_\_\_\_\_



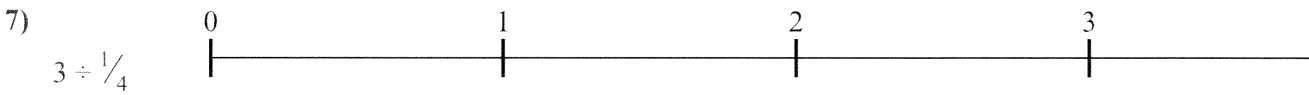
4. \_\_\_\_\_



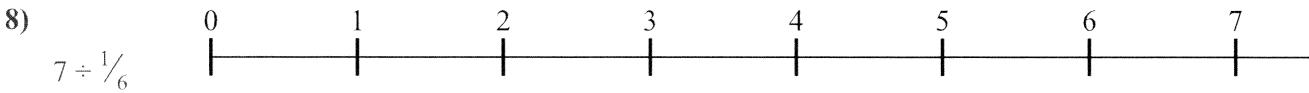
5. \_\_\_\_\_



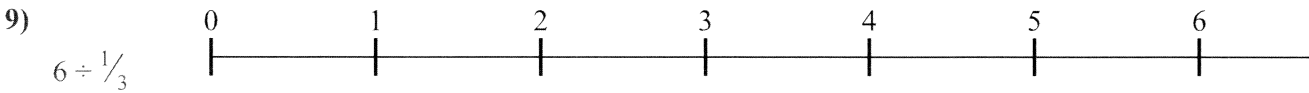
6. \_\_\_\_\_



7. \_\_\_\_\_

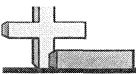


8. \_\_\_\_\_



9. \_\_\_\_\_

2



Solve each problem. Write your answer as a mixed number (if possible).

Answers

1)  $5 \div \frac{1}{2} =$

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

3)  $4 \div \frac{1}{9} =$

4)  $9 \div \frac{1}{9} =$

5)  $6 \div \frac{1}{4} =$

6)  $4 \div \frac{1}{6} =$

7)  $3 \div \frac{1}{8} =$

8)  $8 \div \frac{1}{9} =$

9)  $7 \div \frac{1}{5} =$

10)  $6 \div \frac{1}{3} =$

11)  $8 \div \frac{1}{3} =$

12)  $4 \div \frac{1}{8} =$

13)  $5 \div \frac{1}{9} =$

14)  $8 \div \frac{1}{2} =$

15)  $2 \div \frac{1}{5} =$

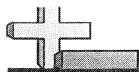
16)  $3 \div \frac{1}{5} =$

17)  $6 \div \frac{1}{6} =$

18)  $4 \div \frac{1}{5} =$

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_
- 13. \_\_\_\_\_
- 14. \_\_\_\_\_
- 15. \_\_\_\_\_
- 16. \_\_\_\_\_
- 17. \_\_\_\_\_
- 18. \_\_\_\_\_





Solve each problem. Write your answer as a mixed number (if possible).

Answers

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

2)  $9 \div \frac{1}{4} =$

3)  $\frac{1}{2} \div 9 =$

4)  $4 \div \frac{1}{3} =$

5)  $\frac{1}{4} \div 9 =$

6)  $8 \div \frac{1}{2} =$

7)  $\frac{1}{5} \div 8 =$

8)  $9 \div \frac{1}{2} =$

9)  $\frac{1}{7} \div 7 =$

10)  $5 \div \frac{1}{4} =$

11)  $\frac{1}{9} \div 6 =$

12)  $9 \div \frac{1}{3} =$

13)  $\frac{1}{3} \div 3 =$

14)  $9 \div \frac{1}{6} =$

15)  $\frac{1}{5} \div 3 =$

16)  $7 \div \frac{1}{8} =$

17)  $\frac{1}{6} \div 5 =$

18)  $6 \div \frac{1}{3} =$

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_
- 13. \_\_\_\_\_
- 14. \_\_\_\_\_
- 15. \_\_\_\_\_
- 16. \_\_\_\_\_
- 17. \_\_\_\_\_
- 18. \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

## Mixed Fraction Operations

Class \_\_\_\_\_

Directions: Write all answers in simplest form.

1)  $3\frac{1}{4} + 2\frac{3}{6}$

2)  $5 \times \frac{1}{3}$

3)  $4\frac{1}{2} \times 6$

4)  $8\frac{1}{3} \times \frac{4}{5}$

5)  $3\frac{2}{9} \times 5$

6)  $17\frac{1}{3} - 8\frac{2}{11}$

7)  $14\frac{2}{3} \times 5$

8)  $\left(\frac{1}{3} \times 4\right) - \frac{1}{2}$

9)  $16 \times \frac{2}{3}$

10)  $4\frac{1}{7} \times 5\frac{2}{3}$

11)  $5\frac{1}{9} + \frac{7}{8}$

12)  $\frac{4}{5} \times 7$

13)  $\frac{17}{3} \times 5$

14)  $18\frac{2}{5} \times 2$

15)  $\frac{3}{4} \times 7\frac{1}{5}$

16)  $20\frac{4}{5} - 3\frac{1}{3}$

17)  $18\frac{3}{7} - 2\frac{4}{5}$

18)  $3 \times \frac{1}{3} \times \frac{8}{9}$

$$19) 16\frac{2}{3} - 7\frac{1}{3}$$

$$20) 18 \times 1\frac{4}{5}$$

$$21) 3\frac{4}{9} + 10\frac{3}{6}$$

$$22) 7\frac{1}{3} \times 4\frac{2}{5}$$

$$23) 8 \times 5\frac{2}{5}$$

$$24) 6 \times 2\frac{1}{3}$$

$$25) \frac{8}{5} \times 3\frac{1}{3}$$

$$26) \frac{18}{4} \times \frac{1}{3}$$

$$27) 14\frac{2}{7} + \frac{1}{3}$$

$$28) 16\frac{1}{5} \times 7$$

$$29) \frac{1}{8} \times \frac{3}{5}$$

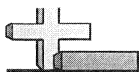
$$30) 4\frac{1}{2} \times \frac{3}{5}$$

$$31) 7\frac{1}{3} \times 2\frac{2}{9}$$

$$32) 6\frac{1}{2} \times 7\frac{3}{4}$$

$$33) 5\frac{1}{3} \times 2\frac{2}{3}$$





**Solve each problem.**

**Answers**

- 1) A moving company had one-seventh of a ton of weight to move across town. If they wanted to split it equally amongst 8 trips, how much weight would they have on each trip?
- 2) A glass of water was one-ninth of a liter. How many glasses would it take to fill up a 5 liter jug?
- 3) A chef used one-ninth of a bag of potatoes for a meal. If the potatoes fed 5 people, what fraction of the bag did each person get?
- 4) A bulldozer could carry one-fourth of a ton of sand. If a park needed 7 tons of sand, how many loads would the bulldozer need to carry?
- 5) Dave had to write 5 pages for a book report. How many hours would it take him to write it if he wrote one-sixth of a page each hour?
- 6) A small book took one-half of a ream of paper to make. How many books could be make with 8 whole reams of paper?
- 7) A pet store had 4 cats to feed. If they only had one-ninth of a bag of cat food and each cat got the same amount, what fraction of the bag would each cat get?
- 8) A container of 3 metal beams weighed one-eighth of a ton. If every beam weighed the same amount, how heavy was each?
- 9) Vanessa wanted her box of candy to last 2 days. If the box weighs one-eighth of pound, how much should she eat each day?
- 10) A bakery used one-third of a bag of chocolate chips to make 3 batches of cookies. How much of the bag did they use for each batch?
- 11) How many one-fourth cup servings are in 9 cups of pecans?
- 12) A car wash had to make their soap last 6 days. If they only have one-ninth of a gallon of soap, how much should they use each day so it lasts 6 days?
- 13) An artist was able to draw one-seventh of a picture every hour. If he needed to paint 6 pictures for an art show, how many hours would it take him?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

7



Solve each problem. Make sure to write your answer as a fraction.

- 1) John wanted to collect 29 pounds of cans in 4 days. How much should he collect each day to reach his goal? Which two whole numbers does your answer lie between?
- 2) A doctor gave his patient liquid medicine and told him to drink 99 cups over the next 10 days. How much should the patient drink each day? Between what two whole numbers does your answer lie?
- 3) A store had 47 liters of liquid cheese. If they wanted to use it all over the course of 5 days, how much should they use each day? Between what two whole numbers does your answer lie?
- 4) A toy store had 4 boxes that weighed a total of 18 kilograms. If each box had the same amount of weight, how much did each box weigh? Between what two whole numbers does your answer lie?
- 5) A farmer had 19 acres he wanted to split amongst his 4 children. If each child gets the same amount of land, how much should each one get? Between what two whole numbers does your answer lie?
- 6) A teacher had 70 packages of paper she wanted to split equally into 8 piles. How much should be in each pile? Between what two whole numbers does your answer lie?
- 7) A candy maker had a piece of taffy that was 11 inches long. If he chopped it into 4 equal length pieces, how long would each piece be? Which two whole numbers does your answer lie between?
- 8) Billy had collected 47 leaves to feed to his caterpillar collection. If he wanted to split the leaves equally amongst the 5 cages, how much should he put in each cage? Between what two whole numbers does your answer lie?
- 9) A fast food restaurant had 73 pounds of flour. If they split the flour evenly among 10 batches of chicken, how much flour would each batch use? Between what two whole numbers does your answer lie?
- 10) Tiffany had 8 pixie sticks that she want to make last 3 days. How much can she eat each day so that they'll last her 3 days? Between what two whole numbers does your answer lie?

Answers

1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
8.	_____	_____	_____
9.	_____	_____	_____
10.	_____	_____	_____

8

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

### Multiplying Fractions Worksheet

$7\frac{1}{5} \times 1\frac{1}{4} = \square$

$\frac{7}{9} \times 2\frac{6}{7} = \square$

$5 \times \frac{3}{8} = \square$

$4 \times 9\frac{1}{3} = \square$

$\frac{11}{5} \times \frac{15}{4} = \square$

$\frac{6}{8} \times \frac{3}{4} = \square$

$5\frac{5}{6} \times 2\frac{3}{5} = \square$

$\frac{9}{8} \times 16 = \square$

$\frac{5}{3} \times \frac{5}{3} = \square$

$1 \times \frac{1}{6} = \square$

$4\frac{1}{8} \times \frac{14}{3} = \square$

$2 \times 2\frac{2}{9} = \square$

$\frac{6}{7} \times \frac{10}{3} = \square$

$9\frac{1}{3} \times 2\frac{1}{4} = \square$

$\frac{13}{14} \times 6 = \square$

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

Multiply Mixed and Whole Numbers

$2\frac{1}{5} \times 3 = \square$

$4\frac{2}{5} \times 1 = \square$

$6 \times 1\frac{3}{4} = \square$

$2 \times 8\frac{5}{6} = \square$

$7 \times 9\frac{3}{7} = \square$

$3\frac{4}{5} \times 10 = \square$

$6\frac{3}{4} \times 8 = \square$

$6 \times 1\frac{1}{8} = \square$

$2\frac{4}{5} \times 3 = \square$

$9 \times 5\frac{1}{3} = \square$

$7\frac{3}{8} \times 2 = \square$

$6\frac{5}{6} \times 10 = \square$

$1\frac{6}{7} \times 6 = \square$

$5 \times 3\frac{2}{5} = \square$

$4\frac{2}{3} \times 6 = \square$