

# Math 7

Day	Date	Video	Assignment Due	How many did you skip?
19 Tuesday	4/14/2020		perimeter, area, volume, surface area packet (Titled "Review #2")	
20 Wednesday	4/15/2020		perimeter, area, volume, surface area packet (Titled "Review #3") also on Wed - take quiz on perimeter, area, volume, surface area	
21 Thursday	4/16/2020	add, subtract fractions	none	
22 Friday	4/17/2020	multiply, divide fractions	add, subtract fractions	
23 Monday	4/20/2020		multiply, divide fractions also on Monday - take quiz on fractions	
24 Tuesday	4/21/2020		practice test, fractions	
25 Wednesday	4/22/2020		take test, fractions	
26 Thursday	4/23/2020		practice test, mix of fractions/decimals/perimeter	
27 Friday	4/24/2020		test, mix of fractions/decimals/perimeter	
28 Monday	4/27/2020	fraction/decimal/percent 1	none	
29 Tuesday	4/28/2020	fraction/decimal/percent 2	fraction/decimal/percent charts (do top half of sheets labeled A and B)	
30 Wednesday	4/29/2020		fraction/decimal/percent charts (do other half of sheets labeled A and B)	
31 Thursday	4/30/2020		fraction/decimal/percent chart (labeled 6) also on Thurs - take fraction/decimal/percent test (labeled 3)	
32 Friday	5/1/2020	order of operations	none	
Monday	5/4/2020		order of operations	
How many total did you do:				

Zoom sessions available upon request for those who need help

Fill in the table by writing the formula. (10)

Shape	Perimeter	Area
Parallelogram	1.	2.
Square	3.	4.
Circle	5.	6.
Triangle	7.	8.
Rectangle	9.	10.

11. Write a formula for the volume of a rectangular prism. \_\_\_\_\_

12. Write a formula for the surface area of a rectangular prism \_\_\_\_\_

If the dimensions of a figure are measured in m, with what unit would you measure


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

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

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

16. surface area \_\_\_\_\_

Find the perimeter and area of each shape.

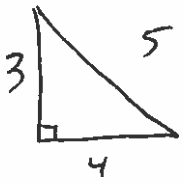
17.  P= \_\_\_\_\_  
A= \_\_\_\_\_

18.  P= \_\_\_\_\_  
A= \_\_\_\_\_

19.  P= \_\_\_\_\_  
A= \_\_\_\_\_

20.  P= \_\_\_\_\_  
A= \_\_\_\_\_

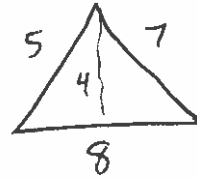
21.



P= \_\_\_\_\_

A= \_\_\_\_\_

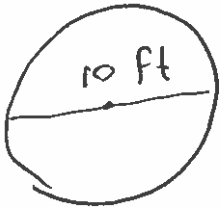
22.



P= \_\_\_\_\_

A= \_\_\_\_\_

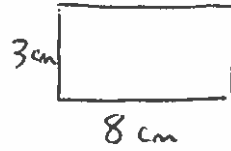
23.



P= \_\_\_\_\_

A= \_\_\_\_\_

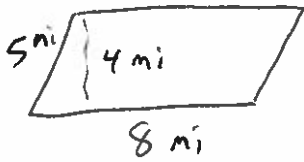
24.



P= \_\_\_\_\_

A= \_\_\_\_\_

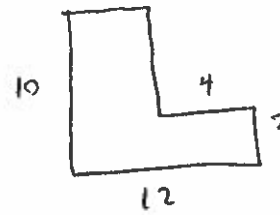
25.



P= \_\_\_\_\_

A= \_\_\_\_\_

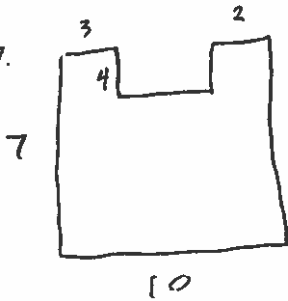
26.



P= \_\_\_\_\_

A= \_\_\_\_\_

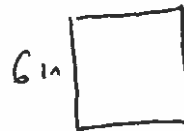
27.



P= \_\_\_\_\_

A= \_\_\_\_\_

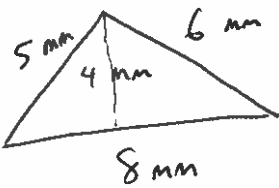
28.



P= \_\_\_\_\_

A= \_\_\_\_\_

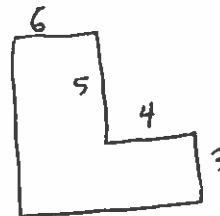
29.



P= \_\_\_\_\_

A= \_\_\_\_\_

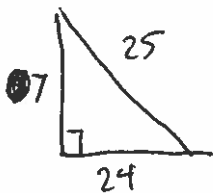
30.



P= \_\_\_\_\_

A= \_\_\_\_\_

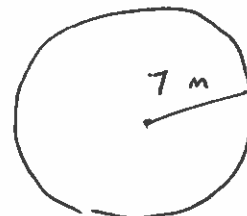
31.



P= \_\_\_\_\_

A= \_\_\_\_\_

32.

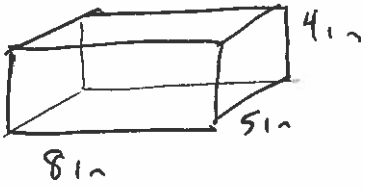


P= \_\_\_\_\_

A= \_\_\_\_\_

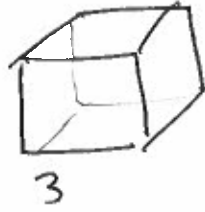
Find the volume and surface area.

33.



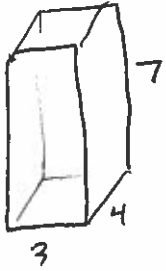
V= \_\_\_\_\_  
S= \_\_\_\_\_

34.



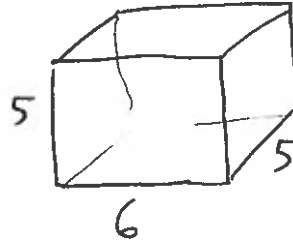
V= \_\_\_\_\_  
S= \_\_\_\_\_

35.



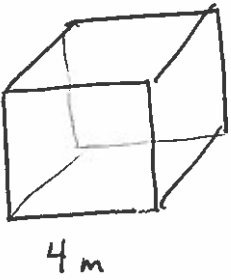
V= \_\_\_\_\_  
S= \_\_\_\_\_

36.



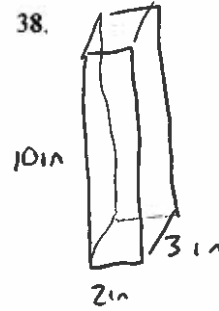
V= \_\_\_\_\_  
S= \_\_\_\_\_

37.



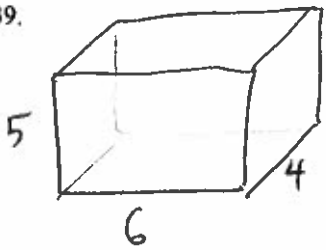
V= \_\_\_\_\_  
S= \_\_\_\_\_

38.



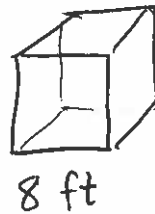
V= \_\_\_\_\_  
S= \_\_\_\_\_

39.



V= \_\_\_\_\_  
S= \_\_\_\_\_

40.



V= \_\_\_\_\_  
S= \_\_\_\_\_

Name \_\_\_\_\_

Quiz, Math 7, Area, Perimeter, Volume, Surface Area

Fill in the table by writing the formula. (10)

Shape	Perimeter	Area
Triangle	1.	2.
Rectangle	3.	4.
Circle	5.	6.
Square	7.	8.
Parallelogram	9.	10.

11. Write a formula for the surface area of a rectangular prism.

\_\_\_\_\_

12. Write a formula for the volume of a rectangular prism

\_\_\_\_\_

If the dimensions of a figure are measured in cm, with what unit would you measure

13. area

\_\_\_\_\_

14. volume

\_\_\_\_\_

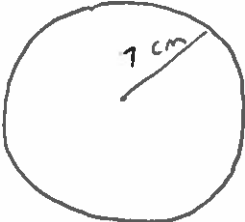
15. perimeter

\_\_\_\_\_

16. surface area

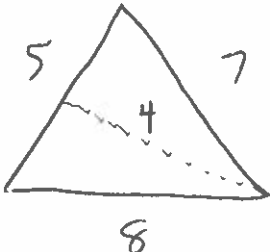
\_\_\_\_\_

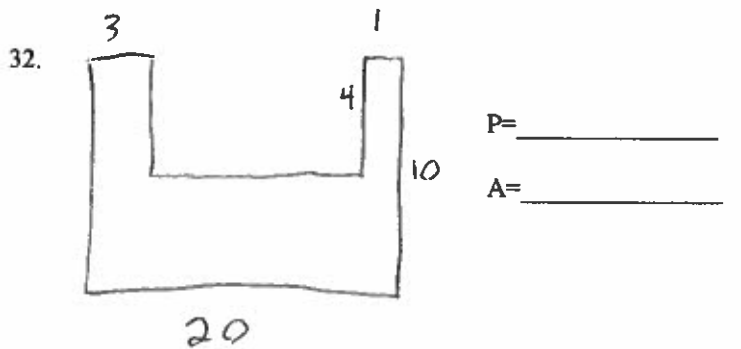
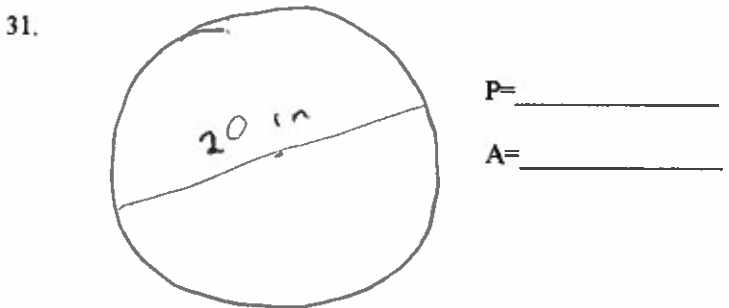
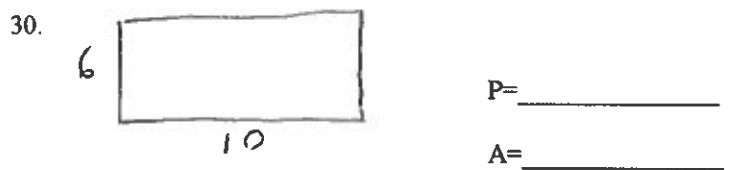
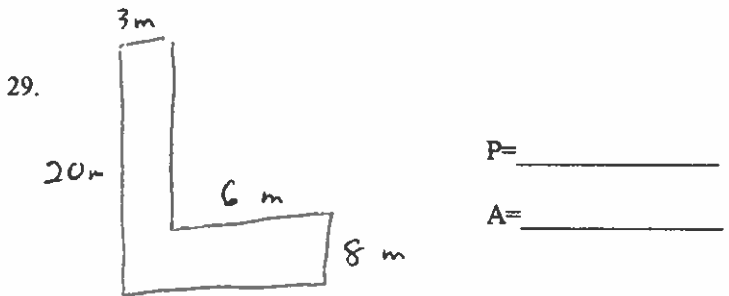
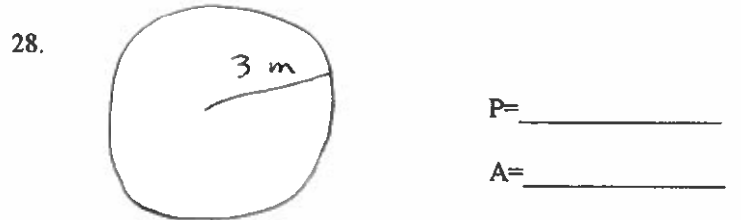
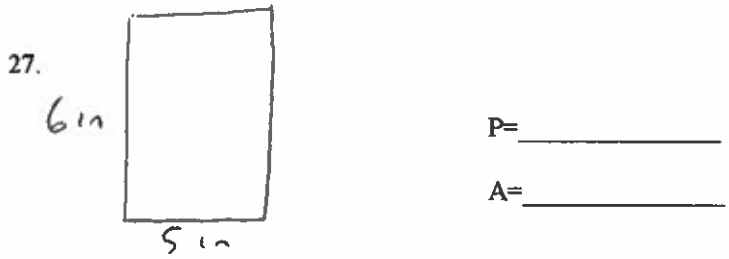
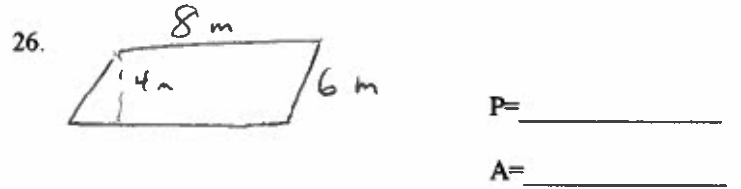
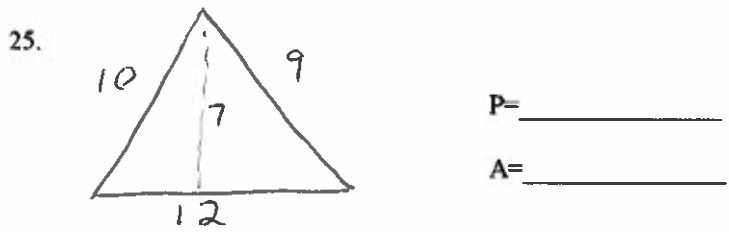
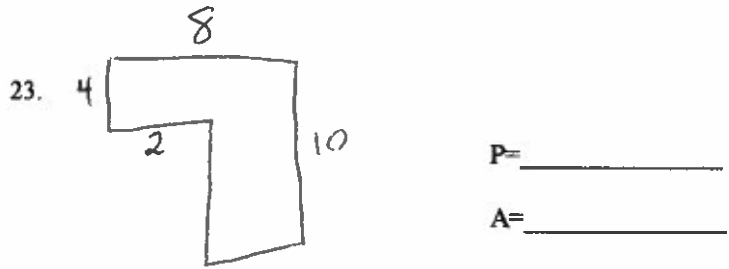
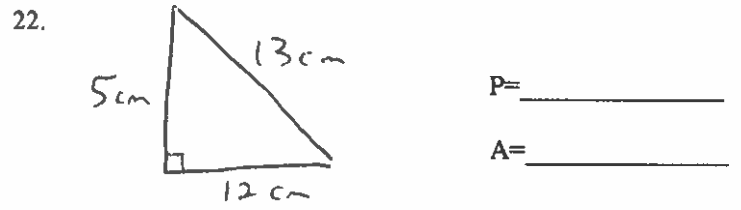
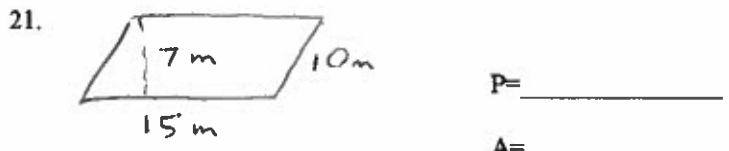
Find the perimeter and area of each shape.

17.  P= \_\_\_\_\_  
A= \_\_\_\_\_

18.  P= \_\_\_\_\_  
A= \_\_\_\_\_

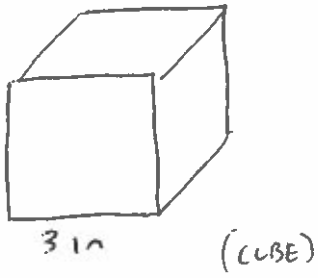
19.  P= \_\_\_\_\_  
A= \_\_\_\_\_

20.  P= \_\_\_\_\_  
A= \_\_\_\_\_



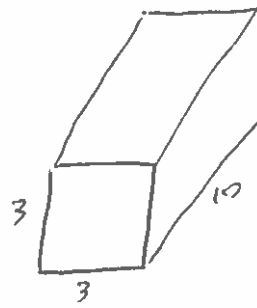
Find the volume and surface area.

33.



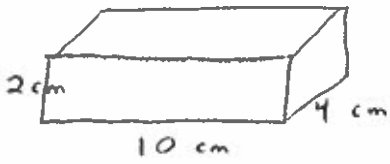
V= \_\_\_\_\_  
S= \_\_\_\_\_

34.



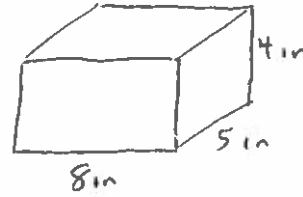
V= \_\_\_\_\_  
S= \_\_\_\_\_

35.



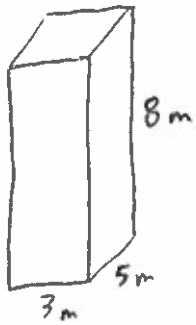
V= \_\_\_\_\_  
S= \_\_\_\_\_

36.



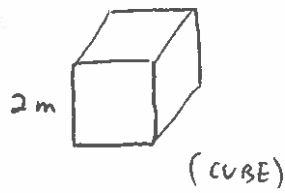
V= \_\_\_\_\_  
S= \_\_\_\_\_

37.



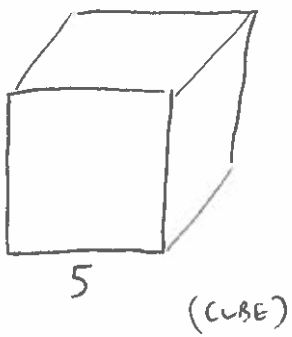
V= \_\_\_\_\_  
S= \_\_\_\_\_

38.



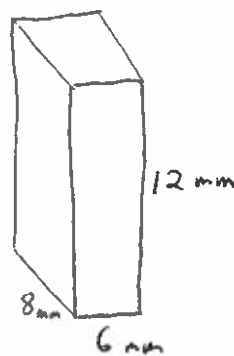
V= \_\_\_\_\_  
S= \_\_\_\_\_

39.



V= \_\_\_\_\_  
S= \_\_\_\_\_

40.



V= \_\_\_\_\_  
S= \_\_\_\_\_

Name \_\_\_\_\_

Math 7, Fractions Vocab

FILL IN  
FROM  
WATCHING  
VIDEO  
ON  
ADDING!  
SUBTRACTING

1. What is the top part of a fraction called?
2. What is the bottom part called?
3. What is the first step when you add or subtract fractions?
4. What does that mean?
5. How do you choose it?
6. What is the second step in adding or subtracting fractions?
7. How do you do that?
8. Under what circumstance do you need to borrow when subtracting mixed numbers?
9. When you borrow, how does the fraction change?
10. What must you do first in multiplying and dividing?
11. For dividing fractions, what must you do?
12. When multiplying fractions, under what condition can you cancel?
13. How do you multiply fractions?
14. What is a reciprocal?
15. What do you get if you take any number times its reciprocal?
16. What is an improper fraction?
17. How do you change those to mixed or whole numbers?
18. How do you change whole numbers to improper fractions?
19. How do you change mixed numbers to improper fractions?
20. How do you reduce fractions?



Add/Subtract fractions (2019)

You must have a \_\_\_\_\_

If you are changing the bottoms, you must also \_\_\_\_\_

$5/7 + 1/7$  \_\_\_\_\_

$3/8 + 7/8$  \_\_\_\_\_

$1 - 3/5$  \_\_\_\_\_

$3 - 12/7$  \_\_\_\_\_

$7\ 3/8 - 2\ 5/8$  \_\_\_\_\_

$2/5 + 3/4$  \_\_\_\_\_

$8/9 - 2/3$  \_\_\_\_\_

$1\ 3/5 + 6\ 4/7$  \_\_\_\_\_

$4\ 3/8 - 12/9$  \_\_\_\_\_

$5\ 2/11 - 4\ 3/5$  \_\_\_\_\_

Name \_\_\_\_\_

Practice, Math 7, Adding and Subtracting Fractions

Add or subtract and write the answer in simplest form. (25)

1.  $\frac{1}{3} + \frac{1}{3}$

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

3.  $\frac{4}{6} + \frac{5}{6}$

4.  $\frac{3}{4} - \frac{1}{4}$

5.  $\frac{5}{12} - \frac{1}{12}$

6.  $\frac{7}{8} - \frac{5}{8}$

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

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

9.  $\frac{1}{3} + \frac{5}{6}$

10.  $\frac{4}{5} + \frac{3}{10}$

11.  $\frac{2}{3} - \frac{1}{4}$

12.  $\frac{1}{2} - \frac{1}{6}$

13.  $\frac{7}{8} - \frac{2}{3}$

14.  $2\frac{1}{2} + 4\frac{1}{3}$

15.  $2\frac{1}{2} + 4\frac{3}{8}$

$$16. 3\frac{1}{4} + 5\frac{3}{5}$$

$$24. 3\frac{1}{2} - 1\frac{2}{3}$$

$$17. 5\frac{1}{2} - 4\frac{1}{3}$$

$$25. 9\frac{2}{5} - 4\frac{7}{8}$$

$$18. 7\frac{2}{3} - 2\frac{3}{5}$$

$$26. 2\frac{4}{5} - 1\frac{3}{5}$$

$$19. 5\frac{5}{6} - 1\frac{1}{3}$$

$$27. 3\frac{2}{5} + 4\frac{7}{10}$$

$$20. 2\frac{1}{2} + 4\frac{2}{3}$$

$$28. 7\frac{2}{3} - 4\frac{7}{9}$$

$$21. 3\frac{3}{4} + 4\frac{1}{3}$$

$$29. 2\frac{3}{4} + 4\frac{7}{8}$$

$$22. 8\frac{1}{4} + 7\frac{4}{5}$$

$$30. 6\frac{1}{2} - 3\frac{7}{8}$$

$$23. 6\frac{1}{4} - 4\frac{1}{3}$$

$$\textcircled{1} \frac{2}{3} \times \frac{5}{7}$$

$$\textcircled{2} \frac{2}{3} \times \frac{3}{4}$$

$$\textcircled{3} \frac{3}{7} \div \frac{8}{11}$$

$$\textcircled{4} \frac{5}{6} \div \frac{10}{8}$$

$$\textcircled{5} 2\frac{1}{3} \times 5\frac{1}{7}$$

$$\textcircled{6} 6 \times 8\frac{1}{2}$$

$$\textcircled{7} 3\frac{3}{4} \div 2\frac{1}{2}$$

$$\textcircled{8} 5\frac{3}{4} \div 7\frac{1}{2}$$

$$\textcircled{9} \frac{2}{9} \times 2\frac{2}{3} \div 2\frac{1}{5} \times 1\frac{4}{5} \div \frac{2}{7} \times \frac{6}{7} \times 2\frac{3}{4} \div 2\frac{2}{3}$$

1. IF NEEDED -

2. IF NEEDED -

3. IF POSSIBLE -

4. ALWAYS -

5. IF POSSIBLE -

Name \_\_\_\_\_

Practice, Math 7, Multiplying and Dividing Fractions

Write the answer in simplest form.

1.  $\frac{1}{3} \cdot \frac{1}{4}$

8.  $\frac{3}{5} \div \frac{3}{5}$

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

9.  $\frac{10}{3} \div \frac{20}{6}$

3.  $\frac{7}{9} \cdot \frac{3}{4}$

10.  $\frac{4}{5} \div \frac{3}{5}$

4.  $\frac{3}{10} \cdot \frac{5}{6}$

11.  $1\frac{2}{5} \cdot 2\frac{1}{4}$

5.  $\frac{16}{9} \cdot \frac{3}{8}$

12.  $3\frac{1}{2} \cdot 2\frac{1}{3}$

6.  $\frac{7}{8} \div \frac{5}{7}$

13.  $1\frac{2}{3} \cdot 1\frac{3}{4}$

7.  $\frac{1}{2} \div \frac{1}{5}$

14.  $2\frac{1}{7} \cdot 2\frac{1}{5}$

15.  $2\frac{1}{2} \cdot 1\frac{3}{5}$

$$16. 1\frac{1}{4} \div 2\frac{1}{2}$$

$$23. \frac{12345678}{56789012} \cdot \frac{56789012}{12345678}$$

$$17. 5\frac{1}{3} \div 4\frac{1}{3}$$

$$24. 3\frac{1}{2} \div 1\frac{2}{7}$$

$$18. 1\frac{7}{10} \div 2\frac{1}{5}$$

$$25. 8 \div 4\frac{4}{5}$$

$$19. 4\frac{1}{2} \div 2$$

$$26. 3\frac{1}{3} \cdot 1\frac{2}{10}$$

$$20. 1234567\frac{56}{78} \div 1234567\frac{56}{78}$$

$$27. 3\frac{1}{2} \div 1\frac{2}{5}$$

$$21. 3\frac{3}{5} \cdot 3\frac{1}{9}$$

$$28. \frac{1234}{2345} \cdot \frac{2345}{1234}$$

$$22. 8\frac{1}{4} \cdot 1\frac{4}{11}$$

$$29. 3\frac{1}{4} \cdot \frac{2}{13}$$

$$30. 5 \div 1\frac{1}{4}$$

Name \_\_\_\_\_

Quiz, Math 7, Fractions

Perform the operation and write the answer in simplest form. (30)

1.  $\frac{1}{3} + \frac{1}{3}$

9.  $1\frac{1}{3} + 2\frac{5}{6}$

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

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

3.  $\frac{3}{4} - \frac{1}{4}$

11.  $2\frac{2}{3} - 1\frac{1}{4}$

4.  $\frac{5}{12} - \frac{1}{12}$

12.  $3\frac{1}{6} - 1\frac{1}{2}$

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

13.  $4\frac{3}{8} - 2\frac{3}{4}$

6.  $\frac{5}{9} - \frac{1}{3}$

14.  $2\frac{1}{2} + 4\frac{1}{3}$

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

15.  $5\frac{1}{2} - 4\frac{3}{8}$

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

16.  $\frac{1}{4} \cdot \frac{3}{5}$

17.  $\frac{1}{2} \cdot \frac{2}{3}$

$$18. \frac{1234}{5678} \cdot \frac{5678}{1234}$$

$$27. 3\frac{3}{5} \div 1\frac{8}{10}$$

$$19. \frac{5}{6} \div \frac{1}{3}$$

$$28. 3\frac{2}{3} \cdot 1\frac{7}{11}$$

$$20. 1234\frac{567}{890} \div 1234\frac{567}{890}$$

$$29. 12\frac{3}{4} \div 12\frac{3}{4}$$

$$21. \frac{3}{4} \div \frac{5}{8}$$

$$30. 6\frac{1}{2} \div 4$$

$$22. 1\frac{1}{4} \cdot 2\frac{4}{5}$$

$$23. 3\frac{1}{3} \cdot 1\frac{1}{5}$$

$$24. 3\frac{1}{2} \cdot 1\frac{1}{7}$$

$$25. 8 \div 2\frac{2}{3}$$

$$26. 1\frac{2}{3} \div 1\frac{3}{5}$$



MATH 7  
PRACTICE  
TEST

NAME \_\_\_\_\_

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

2.  $\frac{3}{8} + \frac{1}{8}$

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

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

5.  $\frac{2}{3} + \frac{5}{6}$

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

7.  $\frac{3}{4} + \frac{5}{6}$

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

9.  $6\frac{1}{4} + 2\frac{1}{5}$

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

11.  $1\frac{1}{8} + 2$

12.  $3\frac{1}{4} + 4\frac{1}{3}$

13.  $\frac{1}{4} \times \frac{4}{7} \times \frac{7}{8} \times \frac{8}{9} \times \frac{9}{3} \times \frac{3}{5} \times \frac{5}{8} \times \frac{8}{2}$

14.  $\frac{7}{11} - \frac{4}{11}$

15.  $\frac{5}{8} - \frac{1}{8}$

$$16. \frac{2}{3} - \frac{1}{2}$$

$$17. \frac{5}{8} - \frac{1}{4}$$

$$18. 2\frac{3}{4} - 1\frac{1}{4}$$

$$19. 2\frac{1}{4} - 1\frac{3}{4}$$

$$20. 2\frac{1}{3} - 1\frac{1}{4}$$

$$21. 2\frac{1}{4} - 1\frac{1}{3}$$

$$22. 3\frac{1}{3} - 2\frac{1}{2}$$

$$23. 3\frac{1}{2} - 2\frac{1}{3}$$

$$24. \frac{5}{8} - \frac{2}{5}$$

$$25. 497\frac{897}{432} - 497\frac{897}{432}$$

$$26. \frac{5}{6} \times \frac{6}{5}$$

$$27. \frac{3}{4} \times \frac{5}{7}$$

$$28. 1\frac{1}{2} \times 4$$

$$29. 2\frac{1}{3} \times \frac{1}{2}$$

$$30. 2\frac{1}{4} \times 1\frac{2}{3}$$

$$31. 3\frac{1}{4} \times 1\frac{5}{8}$$

$$32. \frac{2}{3} \times 1\frac{5}{8}$$

$$33. \frac{6}{7} \times \frac{3}{4}$$

$$34. \frac{3}{4} - \frac{7}{8}$$

$$35. \frac{9}{8} \times \frac{4}{10}$$

$$36. \frac{6}{9} \times \frac{18}{12}$$

$$37. \frac{3}{5} \times 1\frac{2}{3}$$

$$38. \frac{1234567}{9876543} \times \frac{9876543}{1234567}$$

$$39. \frac{1}{2} \div \frac{3}{4}$$

$$40. \frac{3}{4} \div \frac{3}{4}$$

$$41. 3 \div 1\frac{1}{2}$$

$$42. 2\frac{2}{3} \div 1\frac{1}{3}$$

$$43. 4\frac{1}{2} \div 2\frac{1}{4}$$

$$44. \frac{3}{4} \div \frac{1}{2}$$

$$45. 1\frac{2}{5} \div 1\frac{1}{7}$$

$$46. 2\frac{5}{8} \div 2\frac{5}{8}$$

$$47. 3\frac{1}{2} \div 2\frac{1}{3}$$

$$48. 1\frac{1}{2} \div 3$$

$$49. 4\frac{4}{5} \div 8\frac{8}{5}$$

$$50. 947 \frac{893}{492} \div 947 \frac{893}{492}$$

NAME \_\_\_\_\_

MATH 7

TEST

1.  $\frac{3}{4} + \frac{1}{4}$

2.  $\frac{2}{8} + \frac{3}{8}$

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

4.  $4\frac{1}{2} + 2\frac{1}{2}$

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

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

7.  $\frac{3}{4} + \frac{1}{6}$

8.  $1\frac{1}{5} + 1\frac{1}{3}$

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

10.  $1\frac{1}{4} + 2\frac{5}{6}$

11.  $1\frac{1}{3} + 5$

12.  $2\frac{1}{9} + 2\frac{1}{3}$

13.  $2\frac{1}{2} + 3\frac{3}{4}$

14.  $\frac{7}{8} - \frac{3}{8}$

15.  $\frac{5}{6} - \frac{4}{6}$

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

17.  $\frac{5}{8} - \frac{1}{4}$

18.  $2\frac{3}{4} - 1\frac{1}{4}$

19.  $2\frac{1}{4} - 1\frac{3}{4}$

20.  $2\frac{1}{3} - 1\frac{1}{4}$

21.  $2\frac{1}{4} - 1\frac{1}{3}$

22.  $3\frac{1}{3} - 2\frac{1}{2}$

23.  $3\frac{1}{2} - 2\frac{1}{3}$

24.  $\frac{5}{8} - \frac{2}{5}$

25.  $497\frac{897}{432} - 497\frac{897}{432}$

26.  $\frac{5}{6} \times \frac{6}{5}$

27.  $\frac{3}{4} \times \frac{5}{7}$

28.  $1\frac{1}{2} \times 4$

29.  $2\frac{1}{3} \times \frac{1}{2}$

30.  $2\frac{1}{4} \times 1\frac{2}{3}$

31.  $3\frac{1}{4} \times 1\frac{5}{8}$

32.  $\frac{2}{3} \times 1\frac{5}{8}$

33.  $\frac{6}{7} \times \frac{3}{4}$

34.  $\frac{8}{9} \times \frac{9}{8}$

35.  $\frac{5}{8} \times \frac{4}{10}$

36.  $\frac{6}{9} \times \frac{18}{12}$

37.  $\frac{3}{5} \times 1\frac{2}{3}$

38.  $\frac{1234567}{9876543} \times \frac{9876543}{1234567}$

39.  $\frac{1}{2} \div \frac{3}{4}$

40.  $\frac{3}{4} \div \frac{3}{4}$

41.  $3 \div 1\frac{1}{2}$

42.  $2\frac{2}{3} \div 1\frac{1}{3}$

43.  $4\frac{1}{2} \div 2\frac{1}{4}$

44.  $\frac{3}{4} \div \frac{1}{2}$

45.  $1\frac{2}{5} \div 1\frac{1}{7}$

46.  $2\frac{5}{8} \div 2\frac{5}{8}$

47.  $3\frac{1}{2} \div 2\frac{1}{3}$

48.  $1\frac{1}{2} \div 3$

49.  $4\frac{4}{5} \div 8\frac{8}{5}$

50.  $947\frac{893}{492} \div 947\frac{893}{492}$

Name \_\_\_\_\_

1. What is the bottom part of a fraction called?
2. What is the top part called?
3. What is the first step when you add or subtract fractions?
4. What does that mean?
5. How do you choose it?
6. What is the second step in adding or subtracting fractions?
7. How do you do that?
8. When you borrow, how does the fraction change?
9. Under what circumstance do you need to borrow when subtracting mixed numbers?
10. For dividing fractions, what must you do?
11. How do you multiply fractions?
12. What must you do first in multiplying and dividing?
13. When multiplying fractions, under what condition can you cancel?
14. What do you get if you take any number times its reciprocal?
15. What is a reciprocal?
16. How do you reduce fractions?
17. What is an improper fraction?
18. How do you change improper fractions to mixed or whole numbers?
19. How do you change mixed numbers to improper fractions?
20. How do you change whole numbers to improper fractions?

**Simplify.**

21.  $\frac{17}{5}$

---

22.  $\frac{36}{54}$

---

23.  $\frac{60}{36}$

---

24.  $1\frac{5}{3}$

---

**Change to an improper fraction.**

25. 9

---

26.  $5\frac{2}{9}$

---

**Find the reciprocal.**

27.  $\frac{6}{13}$

---

28. 6

---

**What would you use for a common denominator?**

29.  $\frac{3}{4}, \frac{7}{12}$

---

30.  $\frac{2}{3}, \frac{5}{8}$

---

31.  $\frac{3}{8}, \frac{5}{12}$

---

**Do the name-changer machine.**

32.  $\frac{3}{5} = \frac{\quad}{35}$

---



33.  $\frac{1}{10} + \frac{5}{10}$

---

34.  $\frac{3}{11} + \frac{6}{11}$

---

35.  $\frac{3}{4} + \frac{4}{5}$

---

36.  $\frac{3}{5} + \frac{3}{8}$

---

37.  $2\frac{3}{5} + 5\frac{2}{7}$

---

38.  $1\frac{3}{4} + 2\frac{5}{6}$

---

39.  $\frac{7}{12} - \frac{3}{12}$

---

40.  $\frac{7}{9} - \frac{2}{3}$

---

41.  $2\frac{4}{5} - 1\frac{2}{3}$

---

42.  $4\frac{4}{9} - 2\frac{2}{3}$

---

43.  $\frac{3}{4} - \frac{3}{7}$

---

44.  $\frac{5}{7} - \frac{2}{5}$

---

45.  $\frac{5}{12} \cdot \frac{8}{25}$

---

46.  $\frac{1234}{5678} \cdot \frac{5678}{1234}$

---

47.  $2\frac{1}{4} \cdot 3\frac{1}{3}$

---

48.  $2\frac{2}{3} \cdot 6$

---

49.  $\frac{5}{4} \div \frac{4}{3}$

---

50.  $\frac{5}{9} \div \frac{2}{3}$

---

51.  $1234\frac{567}{890} \div 1234\frac{567}{890}$

---

52.  $8 \div 2\frac{2}{3}$

---

53.  $4\frac{2}{3} \div 1\frac{2}{5}$

---

54.  $\frac{8}{5} \times \frac{6}{16} \times \frac{3}{6} \times \frac{5}{6} \times \frac{12}{6} \times \frac{9}{3}$

---

55.  $\frac{2}{3} + \frac{3}{4} + \frac{5}{6} + \frac{1}{12}$

---

1. How do you add or subtract decimals?
2. How do you multiply decimals?
3. How do you divide decimals?
4. Where is the decimal located in a whole number?
5. How do you simplify decimals?

6.  $.63 + .27$

---

7.  $1.63 + 2$

---

8.  $5.663 + 2.4$

---

9.  $.65 + 2$

---

10.  $.62 + .731$

---

11.  $6.27 - 3.8$

---

12.  $6 - .287$

---

13.  $.656 - .41$

---

14.  $.67 - .6$

---

15. ~~7.6 x .5~~  $.6 \times .5$

---

16.  $.7 \times .2$

---

17.  $9.87654 \times 10\ 000$

---

18.  $2.5 \times 4.3$

---

19.  $2.6 \times 43$

---

20.  $.02 \times .7$

---

21.  $.02 \times .03$

---

22.  $6.78 \times 10\ 000$

---

23.  $.0054 \div 9$

---

24.  $45.6 \div 100$

---

25.  $4.567 \div 10\ 000$

---

26.  $.987654321 \div .987654321$

---

27.  $.91 \div 7$

---

28.  $.272 \div 1.6$

---

29.  $1.2 \div .04$

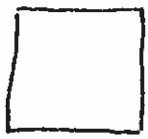
---

30.  $.29 \div .5$

---

Find the perimeter, area, volume, or surface area of each shape.

1.



3 in

P= \_\_\_\_\_

A= \_\_\_\_\_

2.

2 ft

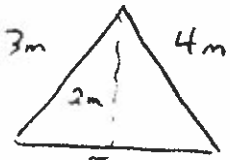


8 ft

P= \_\_\_\_\_

A= \_\_\_\_\_

3.

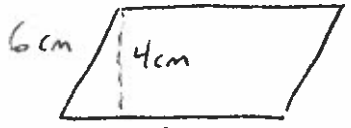


5 m

P= \_\_\_\_\_

A= \_\_\_\_\_

4.

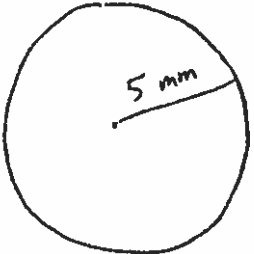


10 cm

P= \_\_\_\_\_

A= \_\_\_\_\_

5.

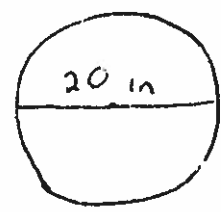


5 mm

C= \_\_\_\_\_

A= \_\_\_\_\_

6.

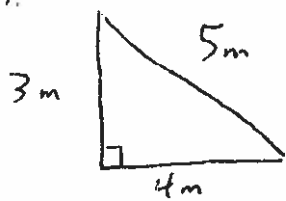


20 in

C= \_\_\_\_\_

A= \_\_\_\_\_

7.



3 m

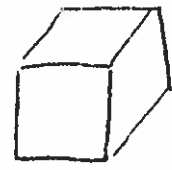
4 m

5 m

P= \_\_\_\_\_

A= \_\_\_\_\_

8.

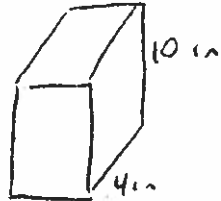


2 in

V= \_\_\_\_\_

S= \_\_\_\_\_

9.



3 in

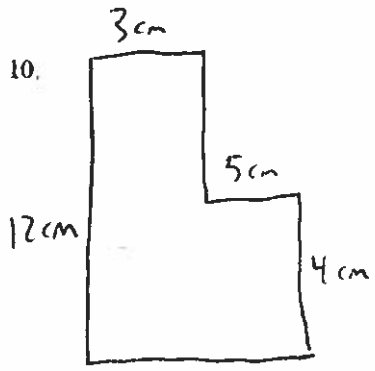
4 in

10 in

V= \_\_\_\_\_

S= \_\_\_\_\_

10.



3 cm

5 cm

4 cm

12 cm

P= \_\_\_\_\_

A= \_\_\_\_\_

Name \_\_\_\_\_

**Math 7 Test: Fractions, Decimals, Perimeter, Area, etc**

1. What is the top part of a fraction called?
2. What is the bottom part called?
3. What is the first step when you add or subtract fractions?
4. What does that mean?
5. How do you choose it?
6. What is the second step in adding or subtracting fractions?
7. How do you do that?
8. Under what circumstance do you need to borrow when subtracting mixed numbers?
9. When you borrow, how does the fraction change?
10. What must you do first in multiplying and dividing?
11. For dividing fractions, what must you do?
12. When multiplying fractions, under what condition can you cancel?
13. How do you multiply fractions?
14. What is a reciprocal?
15. What do you get if you take any number times its reciprocal?
16. What is an improper fraction?
17. How do you change those to mixed or whole numbers?
18. How do you change whole numbers to improper fractions?
19. How do you change mixed numbers to improper fractions?
20. How do you reduce fractions?

**Simplify.**

21.  $\frac{17}{7}$

---

22.  $\frac{36}{48}$

---

23.  $\frac{60}{24}$

---

24.  $3\frac{5}{4}$

---

**Change to an improper fraction.**

25. 5

---

26.  $5\frac{2}{7}$

---

**Find the reciprocal.**

27.  $\frac{6}{11}$

---

28. 7

---

**What would you use for a common denominator?**

29.  $\frac{3}{4}, \frac{7}{16}$

---

30.  $\frac{2}{3}, \frac{5}{7}$

---

31.  $\frac{3}{8}, \frac{5}{6}$

---

**Do the name-changer machine.**

32.  $\frac{3}{5} = \frac{\quad}{25}$

---

33.  $\frac{3}{10} + \frac{5}{10}$

---

34.  $\frac{3}{11} + \frac{5}{11}$

---

35.  $\frac{3}{4} + \frac{2}{5}$

---

36.  $\frac{3}{5} + \frac{2}{7}$

---

37.  $2\frac{2}{5} + 4\frac{2}{7}$

---

38.  $1\frac{2}{3} + 2\frac{5}{6}$

---

39.  $\frac{5}{12} - \frac{3}{12}$

---

40.  $\frac{5}{6} - \frac{2}{3}$

---

41.  $2\frac{3}{4} - 1\frac{2}{3}$

---

42.  $4\frac{5}{9} - 2\frac{2}{3}$

---

43.  $\frac{3}{4} \cdot \frac{3}{5}$

---

44.  $\frac{3}{5} \cdot \frac{2}{3}$

---

45.  $\frac{5}{6} \cdot \frac{8}{15}$

---

46.  $\frac{1234}{5678} \cdot \frac{5678}{1234}$

---

47.  $2\frac{1}{4} \cdot 3\frac{2}{3}$

---

48.  $2\frac{3}{4} \cdot 6$

---

49.  $\frac{5}{2} \div \frac{2}{3}$

---

50.  $\frac{5}{6} \div \frac{2}{3}$

---

51.  $1234\frac{567}{890} + 1234\frac{567}{890}$

---

52.  $7 + 2\frac{1}{3}$

---

53.  $1\frac{2}{3} \div 1\frac{3}{7}$

---

54.  $\frac{3}{4} \times \frac{4}{7} \times \frac{7}{8} \times \frac{8}{11} \times \frac{11}{2} \times \frac{2}{4}$

---

55.  $\frac{2}{3} + \frac{3}{4} + \frac{5}{6}$

---



1. How do you add or subtract decimals?
2. How do you multiply decimals?
3. How do you divide decimals?
4. Where is the decimal located in a whole number?
5. How do you simplify decimals?

6.  $.43 + .27$

---

7.  $1.73 + 2$

---

8.  $5.683 + 2.4$

---

9.  $.25 + .2$

---

10.  $.82 + .731$

---

11.  $4.27 - 3.8$

---

12.  $4 - .287$

---

13.  $.456 - .41$

---

14.  $.97 - .6$

---

15.  $.5 \times .6$

---

16.  $.4 \times .2$

---

17.  $1.23456 \times 10\,000$

---

18.  $2.3 \times 4.6$

---

19.  $2.5 \times 31$

---

20.  $.02 \times .8$

---

21.  $.02 \times .04$

---

22.  $4.27 \times 10\,000$

---

23.  $.0036 \div 9$

---

24.  $71.8 \div 100$

---

25.  $2.345 \div 10\,000$

---

26.  $.987654321 \div .987654321$

---

27.  $.84 \div 7$

---

28.  $.256 \div 1.6$

---

29.  $1.6 \div .04$

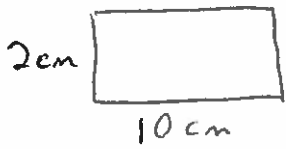
---

30.  $.23 \div .5$

---

Find the perimeter, area, volume, or surface area of each shape.

1.



P= \_\_\_\_\_

A= \_\_\_\_\_

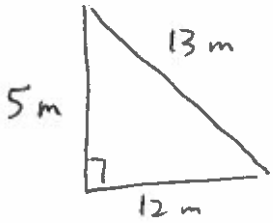
2.



P= \_\_\_\_\_

A= \_\_\_\_\_

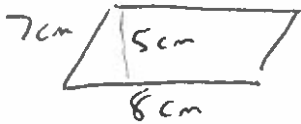
3.



P= \_\_\_\_\_

A= \_\_\_\_\_

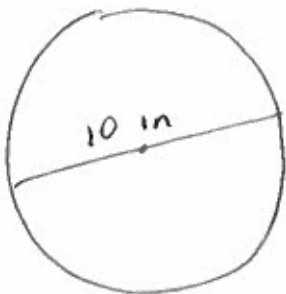
4.



P= \_\_\_\_\_

A= \_\_\_\_\_

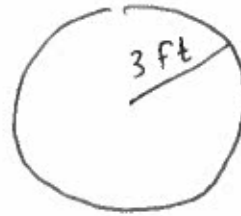
5.



C= \_\_\_\_\_

A= \_\_\_\_\_

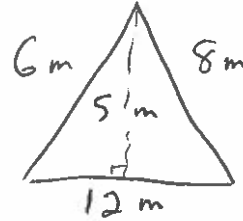
6.



C= \_\_\_\_\_

A= \_\_\_\_\_

7.



P= \_\_\_\_\_

A= \_\_\_\_\_

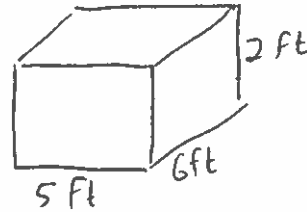
8.



V= \_\_\_\_\_

S= \_\_\_\_\_

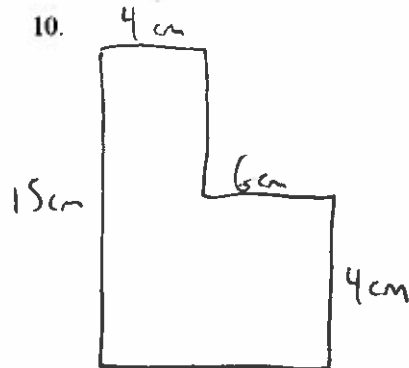
9.



V= \_\_\_\_\_

S= \_\_\_\_\_

10.



P = \_\_\_\_\_

A = \_\_\_\_\_

TO HELP WITH  
 FRACTIONS /  
 DECIMAL /  
 PERCENT

Name KEY

Math 7 Quiz, Fractions/Decimals

LESSONS

Fill in the table with decimal equivalents for the fractions.

DENOMINATOR

NUMERATOR

	2	3	4	5	6	7	8	9	10	11
1	.5	$\bar{3}$	.25	.2	$\bar{16}$	$\overline{.142857}$	.125	$\bar{1}$	.1	$\overline{.09}$
2	X	$\bar{6}$	.5	.4	$\bar{3}$	$\overline{.285714}$	.25	$\bar{2}$	.2	$\bar{18}$
3	X	X	.75	.6	.5	$\overline{.428571}$	.375	$\bar{3}$	.3	$\bar{27}$
4	X	X	X	.8	$\bar{6}$	$\overline{.571428}$	.5	.9	.4	$\bar{36}$
5	X	X	X	X	$\bar{83}$	$\overline{.714285}$	.625	$\bar{5}$	.5	$\bar{45}$
6	X	X	X	X	X	$\overline{.857142}$	.75	$\bar{6}$	.6	$\bar{54}$
7	X	X	X	X	X	X	.875	$\bar{7}$	.7	$\bar{63}$
8	X	X	X	X	X	X	X	$\bar{8}$	.8	$\bar{72}$
9	X	X	X	X	X	X	X	X	.9	$\bar{81}$
10	X	X	X	X	X	X	X	X	X	$\bar{90}$

Name \_\_\_\_\_

Quiz, Math 7, Fractions, Decimals, and Percent

BA

3/7		
5/8		
8/9		
4/11		
5/12		
1/2		
1/5		
1/6		
1/11		
2/3	Fill in	All answers
		Above
	.875	This
	.3	line
	$\overline{.63}$	on
	.32	DAY
	$\overline{.3}$	1
	.125	
	$\overline{.1}$	
	.4	
	.8	
	$\overline{.571428}$	
	2	83. $\overline{3}$
		37.5
		55. $\overline{5}$
		90
		350
		400
		25
		$\overline{14.285714}$
		10
		75

Name \_\_\_\_\_

Quiz, Math 7, Fractions, Decimals, and Percent

B

1/2		
2/3		
1/4		
3/5		
1/6		
5/7		
5/8		
7/9		
3/10		
6/11		
13/20		
19/25		
5/14		
8/15		
3/50 000		
4/90 000		
<hr/>		
	.4	THIS
	.7	LINE
	$\bar{8}$	
	.32	FOR
	.37	
	$\bar{36}$	DAM
Do	.127	1
Below	.375	
THIS	$\bar{.0008}$	
LINE	.000 000 75	
<hr/>		
	OR DAM 2	6
		65
		200
		.0008

Name \_\_\_\_\_

## Quiz, Math 7, Fractions, Decimals, and Percent

1/2		
2/3		
3/4		
2/5		
5/6		
4/7		
7/8		
2/9		
9/10		
3/11		
11/20		
13/25		
3/14		
2/15		
3/80 000		
4/11 000		
	.7	
	.8	
	$\overline{.4}$	
	.72	
	.31	
	$\overline{.45}$	
	.129	
	.625	
	$.000\overline{4}$	
	.000 000 125	
		4
		35
		500
		.0005

DO  
ALL  
IN  
1  
DAY

Name \_\_\_\_\_

## Quiz, Math 7, Fractions, Decimals, and Percent

Complete the table.

Fraction	Decimal	Percent
$\frac{1}{2}$		
$\frac{1}{3}$		
$\frac{1}{4}$		
$\frac{1}{5}$		
$\frac{1}{6}$		
$\frac{1}{7}$		
$\frac{4}{7}$		
$\frac{1}{8}$		
$\frac{1}{9}$		
$\frac{5}{9}$		
$\frac{1}{11}$		
$\frac{3}{11}$		
$\frac{5}{11}$		
$\frac{10}{11}$		
$1\frac{1}{2}$		
$5\frac{1}{4}$		
1		
$\frac{5}{12}$		
	.6	
	.4	
	.8	
	$\overline{.285714}$	
	$\overline{.714285}$	
	.625	
	.875	

	$\bar{2}$	
	$\bar{7}$	
	.1	
	.7	
	$\bar{.18}$	
	$\bar{.54}$	
	$\bar{.72}$	
	3.1	
	2.8	
	7	
	.28	
		75
		60
		$83.\bar{3}$
		$42.\overline{857142}$
		$85.\overline{714285}$
		37.5
		$44.\bar{4}$
		$88.\bar{8}$
		30
		90
		$36.\bar{36}$
		$63.\bar{63}$
		$72.\bar{72}$
		275
		600
		640
		72



Name \_\_\_\_\_

**Practice, Math 7, Order of Operations**

What is the order of operations?

What good does it do us?

1.  $2 + 3 \times 7$

\_\_\_\_\_

2.  $4 + 3 - (4 - 2)$

\_\_\_\_\_

3.  $4 / (2 \times 2)$

\_\_\_\_\_

4.  $4 / 2 \times 2$

\_\_\_\_\_

5.  $3 + 4 \times 5$

\_\_\_\_\_

6.  $5 + 6 - 8 \times 2$

\_\_\_\_\_

7.  $(3 + 3) \times 5$

\_\_\_\_\_

8.  $3^2 + 3 \times 6$

\_\_\_\_\_

9.  $(2 + 3)^2 + 4 \times 2$

\_\_\_\_\_

10.  $3 \times 4^2$

\_\_\_\_\_

11.  $3 \times 4 / 6$

\_\_\_\_\_

12.  $3 + 6 / 2$

\_\_\_\_\_

13.  $3 \times 4 + 5$

\_\_\_\_\_

14.  $(8 + 2) \times 4$

---

15.  $(5-4)^5 - 5$

---

16.  $4 - 4 \times 3$

---

17.  $7 - 4 \times 2$

---

18.  $4 + 5 - 9$

---

19.  $4 - (3 - 5)$

---

20.  $2 \times 4 \times 5 - 1$

---

21.  $6 \times (8 / 2)$

---

22.  $6 \times 8 / 2$

---

23.  $5 - (3 \times 2)$

---

24.  $(4 + 5) \times 2 - 18$

---

25.  $9 - 10 \times 2$

---

26.  $6 - 8 + 3 \times 4$

---

27.  $8 / 4 \times 2$

---

28.  $8 / (4 \times 2)$

---

29.  $(5 - 3)^4 - 20$

---

30.  $5 - 2^3 \times 3$

---