



Grades 7 & 8

Required Religion Book:

Carlo Acutis – The First Millennial Saint by Nicola Gori

Required Language Arts/Literature Book:

Gr. 7 - *Wanted* by Caroline Clooney

Gr. 8 - *The Finest Hours* by Casey Sherman

Students, you must choose at least one nonfiction book, one fiction book, and another book of his/her choice from the list below. You are encouraged to read more. If a title comes from a series, you can read any book within the series. A project related to summer reading will be assigned the first week of school.

Grades 7 & 8 Non-Fiction

Brown, James Daniel - *The Boys on the Boat* (young adult adaptation)

Freedman, Russell - *Abraham Lincoln and Frederick Douglass, Freedom Walkers* or/and *The Voice that Challenged a Nation*

Hillenbrand, Laura - *Unbroken* (young adult adaptation)

Kamkwamba, William - *The Boy Who Harnessed the Wind* (young adult adaptation)
Kean, Sam - *The Disappearing Spoon* (young adult adaptation)

Murphy, Jim - *An American Plague, Blizzard, The Great Fire, Invincible Microbe* and/or *Truce*

Sheinkin, Steve - *Bomb: The Race to Build and Steal the World's Most Dangerous Weapon*

Shetterly, Margot Lee - *Hidden Figures* (young adult adaptation)

Stone, Tanya Lee - *Courage Has No Color; The True Story of the Triple Nickles, Girl Rising: Changing the World One Girl at a Time* and/or *Almost Astronauts: 13 Women Who Dared to Dream*

Sundem, Garth - *Real Kids, Real Stories, Real Change: Courageous Actions Around the World*

Voices from the Second World War: Stories of War as Told to Children of Today

Grades 7 & 8 Fiction

Adams, Richard – *Watership Down*

Alexander, Kwame - *The Crossover* series

Alexander, Kwame - Solo

Anderson, Laurie Halse - *The Seeds of America* series

Barnhill, Kelly - *The Girl Who Drank the Moon*

Craft, Jerry - *New Kid* (graphic novel, Newbery Medal)

Crane, Stephen - *The Red Badge of Courage*

Creech, Sharon - *Chasing Red Bird*

Creech, Sharon - *Walk Two Moons*

Draper, Sharon M - *Stella by Starlight*

Ellis, Deborah - *The Breadwinner* series

George, Jean Craighead - *The Talking Earth*

Gidwitz, Adam - *The Inquisitor's Tale*

Hiranandai, Veera - *The Night Diary*

Kadohata, Cynthia - *A Place to Belong*

Kelly, Jacqueline - *The Calpurnia Tate* series

L'Engle, Madeleine - *A Wrinkle In Time*

Mikaelsen, Ben - *Touching Spirit Bear*

Montgomery, Lucy Maud - *Anne of Green*

Gables Oppel, Kenneth - *Half Brother*

Paulsen, Gary - *Hatchet* series

Rhodes, Jewell Parker - *Towers Falling*

Roy, Jennifer and Ali Fadhil - *Playing Atari with Saddam*

Hussein Schmidt, Gary - *Orbiting Jupiter*

Spinelli, Jerry - *The Warden's Daughter*

Smith, Roland - *I, Q* series

Stewart, Trenton Lee - *The Mysterious Benedict Society* series

Wolk, Lauren - *Beyond the Bright Sea* and/or *Wolf Hollow*

Grade 8 Supply List

For classroom:

- 1 package of loose-leaf paper
- 1 packages of glue sticks
- 4 boxes of tissues
- 3 packages of sanitizing wipes
- 4 rolls of paper towels
- 1 box of Ziploc sandwich bags
- 1 large bottle of hand sanitizer

For students:

- 1 (3 ring) binder w/ loose-leaf paper
- 1 Binder, 3 Ring, Heavy Duty, 1" – for French
- 6 composition notebooks
- 6 pocket folders (any color)
- 6 jumbo stretchy book covers (any color)
- Large 5 Tab Insertable Paper Dividers – Assorted Colors
- 6 packages of index cards (3x5)
- 1 five subject notebook (200 pages) with tab dividers
- 1 Index Card Case
- Pencil case - pouches preferred
- 4 Dozen Dixon Ticonderoga #2 Pencils
- 6 Blue & Red Ballpoint Pens (non-clicking)
- 1 Wooden 12" Ruler - Inches & Centimeters – No Center Holes
- 1 scissors 7"
- 1 Crayola 12 Count Washable Markers, Wide Tip
- 1 Crayola 12 Count Washable Markers, Fine Tip
- 1 Crayola 24 Count colored pencils
- 1 Crayola 24 Box crayons
- 1 package whiteboard markers (5)
- 1 package highlighters
- 1 Elmer's School Glue 4oz
- 1 Texas Instruments TI-30XIIS Scientific Calculator
- 1 Pair wired earbuds with standard 2.5mm plug for use with Chromebooks (kept at school)

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Other supplies needed

- Bible - *St. Joseph N.C.V. New Testament Vest Pocket Edition Youth Catechism of Catholic Church*
(new students only)
- Rosary Beads

At home:

- 1 Package of filler paper and printer paper
- Ruler and protractor
- Working printer with ink

Name: _____

MATHEMATICS

SUMMER

PRACTICE

PACKET

GRADE 8

Directions: Please complete the attached worksheets over the summer and bring the packet to school on the first day.

SHOW ALL YOUR WORK ~ NO WORK ~ NO CREDIT (if more space is needed for your work, attach an extra paper, clearly numbered with page and example number)

DO NOT USE A CALCULATOR

Name _____

Place Value**Write the value of the underlined digit.**

1. 738

2. 917

3. 2472

4. 6524

5. 15,063

6. 73,961

7. 169,364

8. 222,222

9. 789,052

10. 6,732,158

Name the value of the greatest place.

11. 10^4

12. 10^9

13. 10^3

14. 10^{-7}

15. 10^{-2}

16. 10^{-5}

Write the number in standard form.

17. $(4 \times 10^8) + (3 \times 10^7) + (8 \times 10^6) + (9 \times 10^5) + (7 \times 10^4) + (2 \times 10^3) + (1 \times 10^2) + (1 \times 10^1) + (1 \times 10^0)$

18. $(1 \times 10^{10}) + (7 \times 10^9) + (5 \times 10^8) + (3 \times 10^7) + (6 \times 10^6) + (0 \times 10^5) + (8 \times 10^4) + (4 \times 10^3) + (2 \times 10^2) + (0 \times 10^1) + (1 \times 10^0)$

Write the number in expanded form.

19. 8,391,901,452

20. 16,572,800,321

Name _____

Estimation: Rounding and Compatible Numbers**Round each number to the greatest value.**

1. 17

2. 36

3. 82

4. 55

Round each decimal number to the greatest nonzero place.

5. 2.679

6. 7.053

7. 9.320

8. 3.51

Use rounding to estimate the decimal sum.

$$\begin{array}{r} 9. \quad 4.362 \\ 17.649 \\ + 8.539 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 73.89 \\ 8.06 \\ + 22.10 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 37.06 \\ 15.62 \\ + 6.10 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 0.362 \\ 13.346 \\ + 5.892 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 98.37 \\ 6.08 \\ + 0.122 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 8.301 \\ 0.027 \\ + 0.092 \\ \hline \end{array}$$

Use compatible numbers to estimate decimal quotients.

15. $5 \overline{)3.25}$

16. $9 \overline{)8.72}$

17. $64 \overline{)4.2438}$

18. $3.7 \overline{)6.936}$

19. $19 \overline{)94.16}$

20. $3.86 \overline{)19.4}$

Estimate the answer. Name the method you used.

$$\begin{array}{r} 21. \quad 16.32 \\ 4.39 \\ + 43.74 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \quad 1.396 \\ 18.031 \\ + 32.529 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad 5.028 \\ 35.570 \\ + 71.332 \\ \hline \end{array}$$

24. $13 \overline{)42.56}$

25. $5.673 \overline{)1208.37}$

26. $802 \overline{)426.9}$

Remember:

Think of nearby numbers that are easy to compute with mentally. Then divide.

Name _____

Compare and Order Numbers (Decimals)

Use $<$, $=$, or $>$ to compare the decimals.

1. $1.876 \bigcirc 1.097$

2. $0.0019 \bigcirc 0.0019$

3. $0.0456 \bigcirc 0.0765$

4. $2.012 \bigcirc 3.0017$

5. $0.5011 \bigcirc 0.0018$

6. $0.0341 \bigcirc 0.0341$

Use place value to order the decimals from greatest to least.

7. $0.6231; 0.6010; 1.003; 0.6229$

8. $0.0017; 0.0143; 1.0011; 0.0092$

9. $2.485; 2.472; 2.501; 1.982$

10. $0.0004; 0.001; 0.0002; 0.0019$

11. $0.0910; 0.0911; 0.0903; 0.097$

12. $1.0001; 0.0001; 0.001; 1.0010$

13. $3.012; 3.021; 0.301; 3.001$

14. $0.071; 0.017; 1.0007; 0.0077$

Use place value to order the decimals from least to greatest.

15. $0.034; 0.004; 0.013; 1.03$

16. $0.0096; 0.0006; 0.0069; 0.0908$

17. $5.008; 5.0012; 5.021; 0.508$

18. $1.1042; 1.0421; 1.004; 0.142$

19. $0.0007; 0.007; 0.701; 0.001$

20. $0.057; 0.007; 0.0012; 0.502$

21. $1.129; 1.921; 1.2109; 1.09$

22. $3.104; 3.001; 4.002; 3.401$

Remember:

Line up the decimal points.
Compare the digits in each place,
starting with the greatest place value.

Name _____

Divisibility Rules

Complete each divisibility rule.

1. A number is divisible by 2 if it is an _____ number.
2. A number is divisible by 3 if the sum of its digits is divisible by _____.
3. A number is divisible by 4 if the last two digits form a number divisible by _____.
4. A number is divisible by 5 if the ones digit is _____ or _____.
5. A number is divisible by 6 if it is divisible by both _____ and _____.
6. A number is divisible by 8 if the last three digits form a number divisible by _____.
7. A number is divisible by 9 if the sum of its digits is divisible by _____.
8. A number is divisible by 10 if the last digit is _____.

Use each divisibility rule to explain whether 305,382,094 is divisible by 2, 3, 4, 5, 6, 8, 9, and/or 10.
(Hint: You can use the underlined digit(s) as a reference.)

	Divisible by	Explanation
9. 305,382,0 <u>9</u> 4	2	
10. 305,382,094	3	
11. 305,382,0 <u>9</u> 4	4	
12. 305,382,09 <u>4</u>	5	
13. 305,382,0 <u>9</u> 4	6	
14. 305,382,0 <u>9</u> 4	8	
15. <u>3</u> 05,382,094	9	
16. 305,382,09 <u>4</u>	10	

Name _____

Prime and Composite Numbers

Write whether the number is *prime* or *composite*.
Find the factors for each number.

1. 18

Factors of 18: _____

Remember:

A number is *prime* when it has exactly two factors, itself and 1. A number is *composite* when it has more than two factors. 0 and 1 are neither prime nor composite.

2. 136

Factors of 136: _____

3. 895

Factors of 895: _____

4. 504

Factors of 504: _____

5. 67

Factors of 67: _____

6. 936

Factors of 936: _____

7. 125

Factors of 125: _____

8. 380

Factors of 380: _____

9. 1150

Factors of 1150: _____

10. 17

Factors of 17: _____

11. 12

Factors of 12: _____

12. 393

Factors of 393: _____

13. 246

Factors of 246: _____

Name _____

GCF and LCM

Find the greatest common factor (GCF) of these numbers.

1. 14, 42

2. 9, 18, 72

3. 72, 96

4. 9, 81, 144

5. 45, 60, 90

6. 19, 76, 133

7. 6, 15, 108

8. 6, 39, 45, 72

9. 12, 24, 96, 120

10. 18, 72, 126, 270

Find the least common multiple (LCM) of these numbers.

11. 6, 12, 24

12. 9, 15, 18

13. 5, 7, 35

14. 7, 28, 56

15. 12, 16, 18

16. 2, 3, 4, 8

17. 4, 9, 12, 18

18. 3, 5, 6, 15

19. 5, 8, 20, 40

20. 6, 8, 9, 12

Remember:

The GCF of two or more numbers is the greatest number that is a factor of these numbers.

Remember:

The LCM of two or more numbers is the least number, except 0, that is a common multiple of all of the numbers.

Name _____

Properties of Addition and Multiplication

Use the Commutative Property to solve.

Think: "order"

$$a + b = b + a$$

$$a \times b = b \times a$$

1. $1.6 + 0.2 =$

2. $2.03 + 0.16 =$

3. $1.5 \times 1.1 =$

4. $0.7 \times 0.4 =$

5. $3.4 + 2.5 =$

6. $1.8 + 1.2 =$

7. $0.3 \times 0.9 =$

8. $3.5 + 0.3 =$

9. $0.04 \times 0.1 =$

Use the Associative Property to solve.

10. $(1.7 + 1.1) + 0.3 = 1.7 + (1.1 + 0.3)$

Think: "grouping"

$$(a + b) + c = a + (b + c)$$

$$(a \times b) \times c = a \times (b \times c)$$

11. $(3.1 + 2.5) + 0.1 = 3.1 + (2.5 + 0.1)$

12. $(0.3 \times 1.2) \times 0.6 = 0.3 \times (1.2 \times 0.6)$

13. $(0.9 \times 0.2) \times 0.4 = 0.9 \times (0.2 \times 0.4)$

14. $(1.5 \times 0.8) \times 1.4 = 1.5 \times (0.8 \times 1.4)$

15. $(5.2 + 0.5) + 0.4 = 5.2 + (0.5 + 0.4)$

16. $(1.0 \times 0.6) \times 1.3 = 1.0 \times (0.6 \times 1.3)$

Name _____

Use the Identity Property to solve.

Think: "same"
 $a + 0 = 0 + a$
 $a \times 1 = 1 \times a$

17. $6.11 + 0 =$ _____

18. $0.8 \times 1 =$ _____

19. $1.13 \times 1 =$ _____

20. $4.01 + 0 =$ _____

21. $0.7 + 0 =$ _____

22. $1.75 \times 1 =$ _____

23. $2.006 + 0 =$ _____

Use the Zero Property of Multiplication to solve.

Think: "0 product"
 $a \times 0 = 0 \times a$

24. $1.24 \times 0 =$ _____

25. $0.786 \times 0 =$ _____

26. $0.0045 \times 0 =$ _____

27. $3.65 \times 0 =$ _____

28. $2.08 \times 0 =$ _____

29. $0.054 \times 0 =$ _____

30. $1.932 \times 0 =$ _____

Use the Distributive Property of Multiplication over Addition to solve.

31. $0.7(0.4 + 1.3) =$

Think: "same factor across addends"
 $a(b + c) = (a \times b) + (a \times c)$

32. $1.4(0.2 + 0.4) =$

33. $2.0(0.5 + 2.1) =$

34. $0.02(0.8 + 2.06) =$

35. $1.3(1.1 + 1.6) =$

36. $3.5(0.5 + 1.0) =$

37. $0.1(0.6 + 0.9) =$

Name _____

Multiply and Divide Decimals**Find the product.**

1.
$$\begin{array}{r} 1.5 \\ \times 1.5 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 8.2 \\ \times 1 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 4.25 \\ \times 0.25 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 0.45 \\ \times 5 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 11.5 \\ \times 8 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 12 \\ \times 7 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 4.2 \\ \times 1.8 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 6.75 \\ \times 16 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 0.5 \\ \times 0.6 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 0.25 \\ \times 4.2 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 1.45 \\ \times 50 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 5.06 \\ \times 4.7 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 0.87 \\ \times 12 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 14.25 \\ \times 4.67 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 73 \\ \times 5 \\ \hline \end{array}$$

Find the quotient.

17.
$$9.0 \overline{)810}$$

18.
$$0.08 \overline{)32}$$

19.
$$0.30 \overline{)0.75}$$

20.
$$6.25 \overline{)5.5000}$$

21.
$$5.5 \overline{)3.2500}$$

22.
$$1.5 \overline{)5.25}$$

23.
$$0.25 \overline{)8.75}$$

24.
$$0.6 \overline{)0.54}$$

25.
$$0.4 \overline{)2.88}$$

26.
$$9 \overline{)3.6}$$

27.
$$1.6 \overline{)2.08}$$

28.
$$1.65 \overline{)6.435}$$

29.
$$0.7 \overline{)3.57}$$

30.
$$1.2 \overline{)10.8}$$

31.
$$0.8 \overline{)84.8}$$

32.
$$1.2 \overline{)3.072}$$

Name _____

Order of Operations with Integers**Compute.**

1. $24 - 3 \times 5 \div (-5) + 2^2$

2. $[21 + (4 \times 3)] \div 3$

4. $(11 - 4) \times 6 - 2 \times (-7 + 2)$

6. $54 \div 9 + 6 \times 4$

8. $(9 - 2) \times 7 - 1 \times (12 - 2)$

10. $(14 + 6) \div 5 + 9 \times (-11 + 6)$

12. $(33 - 18) \times 2 - 5 \times (18 - 9)$

3. $42 \div 7 \times 2$

5. $[31 + (3 \times 3)] \div (-8)$

7. $[52 - (2 \times 5)] \div 7$

9. $28 - 4 \times 4 \div 8 + (-2^3)$

11. $[24 + (3 \times 8)] \div 6$

13. $-30 + 22 \times 3 \div 6 + (4^2)$

Remember:**Order of Operations**

1. () before []
2. exponents
3. "×" or "÷" left to right
4. "+" or "-" left to right

Name _____

Compute.

14. $(24 + 1) \div 5 + 7 \times (11 - 9)$

15. $[-10 + (-6 \times 9)] \div 8$

Simplify.

16. $\frac{(14) + (-6)}{-8 - (-4)}$

Remember:

A fraction bar is also a grouping symbol. Do any computation above or below before simplifying.

17. $\frac{(2 + 3) - (5 + 6)}{7 + (-5)}$

18. $\frac{21 \div (8 - 1)}{6 - 3}$

19. $\frac{(17 - 7) - (4 - 2)}{12 - 8}$

20. $\frac{(53) + (-9)}{14 - 3}$

21. $\frac{2^3 - (5 - 1)}{7 - 3}$

22. $\frac{3 \times (12 - 5)}{4 + 3}$

23. $\frac{(12 + 36) \div 6 - 2 \times (8 - 6)}{5^2 - (10 + 11)}$

24. $\frac{[16 + (4 \times 6)] \div 5}{2(21 - 19)}$

25. $\frac{[56 - (6 \times 4)] \div (-8)}{(4^2) + (-22 + 15)}$

26. $\frac{2 \times 7 - [(16 \div 8) + 2]}{5(9 - 2^3)}$

Name _____

Zeros in a Product or Quotient**Multiply.**

1.
$$\begin{array}{r} 1.093 \\ \times 0.04 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 0.0267 \\ \times 1.01 \\ \hline \end{array}$$

Remember:

Sometimes you need to write zeros to the left of nonzero digits in the product in order to place the decimal point correctly.

3.
$$\begin{array}{r} 0.087 \\ \times 0.023 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 7.9009 \\ \times 0.003 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 0.003 \\ \times 0.99 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 8.012 \\ \times 0.002 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 0.0001 \\ \times 0.07 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 2.15 \\ \times 0.013 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 21.03 \\ \times 0.004 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 0.005 \\ \times 1.006 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 0.008 \\ \times 0.06 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 6.14 \\ \times 0.006 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 0.005 \\ \times 2.001 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 1.175 \\ \times 0.02 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 0.99 \\ \times 0.006 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 0.103 \\ \times 0.4 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 0.07 \\ \times 1.2 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 3.04 \\ \times 0.01 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 0.009 \\ \times 3.6 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 0.005 \\ \times 0.05 \\ \hline \end{array}$$

21.
$$\begin{array}{r} 32.02 \\ \times 0.003 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 1.91 \\ \times 0.01 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 4.007 \\ \times 0.012 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 1.008 \\ \times 0.003 \\ \hline \end{array}$$

25.
$$\begin{array}{r} 0.054 \\ \times 0.007 \\ \hline \end{array}$$

26.
$$\begin{array}{r} 9.098 \\ \times 0.004 \\ \hline \end{array}$$

Name _____

Divide.

Remember:

If needed, write one or more zeros *in the quotient* to show the correct place value.

27. $2.54 \div 62$

28. $0.00068 \div 0.02$

29. $1.834 \div 32$

30. $0.015 \div 3$

31. $5.035 \div 50$

32. $0.0228 \div 2.4$

33. $0.0049 \div 7$

34. $0.062 \div 32$

35. $1.0002 \div 16$

Name _____

Mixed Numbers and Fractions

Rename each mixed number as a fraction.

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

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

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

6. $1\frac{9}{16}$

8. $7\frac{3}{5}$

10. $1\frac{8}{9}$

12. $4\frac{1}{2}$

14. $13\frac{5}{7}$

16. $4\frac{7}{9}$

18. $5\frac{11}{15}$

20. $14\frac{2}{3}$

Remember:

Multiply the whole number by the denominator.

Add the product to the numerator.

Write the sum as the numerator and the given denominator as the denominator.

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

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

7. $6\frac{7}{11}$

9. $2\frac{1}{6}$

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

13. $6\frac{2}{3}$

15. $11\frac{5}{6}$

17. $9\frac{3}{17}$

19. $8\frac{5}{9}$

21. $16\frac{5}{8}$

Name _____

Rename each fraction as a mixed number.

22. $\frac{35}{6}$

23. $\frac{41}{12}$

24. $\frac{19}{3}$

25. $\frac{14}{5}$

26. $\frac{15}{4}$

27. $\frac{78}{13}$

28. $\frac{92}{17}$

29. $\frac{32}{17}$

30. $\frac{11}{5}$

31. $\frac{26}{14}$

32. $\frac{66}{12}$

33. $\frac{55}{11}$

34. $\frac{80}{13}$

35. $\frac{29}{4}$

Remember:

Divide the numerator by the denominator.

Write the quotient as the whole number part.

If there is a remainder, write it over the denominator and express the fraction in simplest form.

Name _____

Add and Subtract Fractions

Add.

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

2. $\frac{3}{5} + \frac{7}{15} + \frac{2}{3}$

Remember:

Find the least common denominator (LCD) of the fractions.

Rename each fraction as an equivalent fraction with the LCD as the denominator.

Add. Express the sum in simplest form.

3. $\frac{2}{3} + \frac{7}{9} + \frac{5}{6}$

4. $\frac{13}{15} + \frac{5}{5} + \frac{9}{3}$

5. $\frac{13}{14} + \frac{3}{7} + \frac{1}{2}$

6. $\frac{5}{8} + \frac{9}{12} + \frac{2}{3}$

7. $\frac{7}{10} + \frac{13}{25} + \frac{2}{5}$

8. $\frac{17}{20} + \frac{3}{4} + \frac{5}{8}$

9. $\frac{11}{15} + \frac{7}{10} + \frac{1}{3}$

10. $\frac{17}{22} + \frac{5}{6} + \frac{2}{3}$

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

Name _____

Subtract.

12. $\frac{3}{4} - \frac{2}{3}$

13. $\frac{4}{7} - \frac{1}{8}$

Remember:Find the least common denominator (LCD) of the fractions.
Rename each fraction as an equivalent fraction with the LCD as the denominator.

Subtract. Express the difference in simplest form.

14. $\frac{9}{10} - \frac{1}{5}$

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

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

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

18. $\frac{5}{6} - \frac{7}{12}$

19. $\frac{9}{13} - \frac{1}{2}$

20. $\frac{3}{5} - \frac{1}{2}$

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

22. $\frac{7}{8} - \frac{3}{5}$

23. $\frac{11}{15} - \frac{1}{8}$

24. $\frac{5}{12} - \frac{3}{8}$

25. $\frac{1}{2} - \frac{1}{4}$

Name _____

Multiply and Divide Fractions

Multiply. Write your answer in simplest form.

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

2. $\frac{5}{6} \cdot \frac{1}{10}$

3. $\frac{11}{13} \cdot \frac{3}{5}$

4. $\frac{1}{3} \cdot \frac{5}{12}$

6. $\frac{2}{5} \cdot \frac{3}{20}$

7. $\frac{7}{9} \cdot \frac{5}{15}$

9. $\frac{9}{12} \cdot \frac{6}{11}$

10. $\frac{5}{8} \cdot \frac{1}{3}$

12. $\frac{3}{7} \cdot \frac{2}{3}$

13. $\frac{1}{7} \cdot \frac{1}{8}$

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

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

11. $\frac{5}{6} \cdot \frac{3}{11}$

14. $\frac{4}{9} \cdot \frac{5}{6}$

Remember:

Multiply the numerators.
Then multiply the denominators.
Write the product in simplest form.

Multiply using the greatest common factor (GCF).

15. $\frac{8}{7} \cdot \frac{21}{28}$

16. $\frac{8}{8} \cdot \frac{16}{24}$

17. $\frac{8}{8} \cdot \frac{8}{24}$

18. $\frac{2}{10} \cdot \frac{4}{6}$

20. $\frac{2}{8} \cdot \frac{27}{36}$

21. $\frac{22}{31} \cdot \frac{1}{2}$

23. $\frac{7}{10} \cdot \frac{16}{24}$

24. $\frac{8}{13} \cdot \frac{39}{42}$

26. $\frac{8}{12} \cdot \frac{3}{1}$

27. $\frac{4}{7} \cdot \frac{1}{4}$

19. $\frac{2}{5} \cdot \frac{1}{8}$

22. $\frac{1}{12} \cdot \frac{4}{5}$

25. $\frac{1}{8} \cdot \frac{64}{96}$

28. $\frac{8}{13} \cdot \frac{25}{8}$

Remember:

Divide any numerator and denominator by the greatest common factor (GCF).
Multiply the numerators. Then multiply the denominators. Their product will be in simplest form.

Name _____

Divide.

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

30. $\frac{15}{17} \div \frac{5}{1}$

31. $\frac{5}{6} \div \frac{10}{13}$

32. $\frac{3}{8} \div \frac{15}{8}$

33. $\frac{1}{9} \div \frac{5}{7}$

34. $\frac{1}{2} \div \frac{7}{8}$

35. $\frac{4}{7} \div \frac{8}{21}$

36. $\frac{5}{3} \div \frac{3}{6}$

37. $\frac{1}{2} \div \frac{9}{22}$

38. $\frac{3}{11} \div \frac{3}{7}$

39. $\frac{4}{5} \div \frac{14}{5}$

40. $\frac{2}{8} \div \frac{16}{32}$

41. $\frac{3}{8} \div \frac{4}{16}$

42. $\frac{3}{9} \div \frac{27}{54}$

43. $\frac{3}{7} \div \frac{21}{28}$

44. $\frac{1}{4} \div \frac{5}{12}$

45. $\frac{2}{6} \div \frac{10}{12}$

Remember:

Multiply by the reciprocal of the divisor.

Simplify using the GCF, where possible. Then

multiply the numerators and the denominators.

Rename the product as a whole or mixed number when needed.

Name _____

Decimals, Fractions, and Percents

Write the fraction as a percent. Round to the nearest hundredth.

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

2. $\frac{5}{12} =$ _____

Remember:
Use the Cross-Products Rule.

3. $\frac{9}{15} =$ _____

4. $\frac{21}{28} =$ _____

5. $\frac{9}{60} =$ _____

6. $\frac{6}{15} =$ _____

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

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

Write the percent as a fraction in simplest form.

9. $37\frac{1}{2}\% =$

10. $19\frac{1}{2}\% =$

11. $50\frac{2}{3}\% =$

12. $39\frac{1}{5}\% =$

13. $15\frac{1}{2}\% =$

14. $66\frac{3}{10}\% =$

15. $56\frac{3}{4}\% =$

16. $12\frac{1}{2}\% =$

Name _____

Write the decimal as a percent.

17. $0.123 =$

18. $1.8356 =$

Remember:

Use the Cross-Products Rule.

19. $6.392 =$

20. $0.7642 =$

21. $0.12123 =$

22. $0.529 =$

Write the decimal percent as a decimal.

23. $64.7\% =$

24. $55.213\% =$

Remember:

Dividing by 100 is the same as moving the decimal point two places to the left.

25. $82.5\% =$

26. $18.97\% =$

27. $48.3\% =$

28. $13.75\% =$

29. $34\% =$

30. $91.8\% =$

31. $9.6\% =$

32. $72.75\% =$

33. $37.33\% =$

Use the percentage formula, ($p = rb$) to find the percentage, p , rate, r , or base, b .

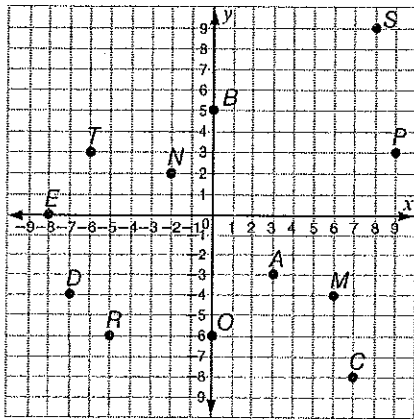
34. $r = 15\%$
 $b = 188$

35. $p = 1000$
 $r = 22\frac{1}{2}\%$

36. $b = 35$
 $p = 2.625$

Name _____

The Coordinate Plane

**Remember:**

A coordinate plane is formed by the *coordinate* axes, where the horizontal line is the x-axis and the vertical line is the y-axis.

Axes divide the coordinate plane into four sections, called *quadrants*, numbered counterclockwise from the upper right, starting with Quadrant I and ending with Quadrant IV.

An *ordered pair* (x, y) locates a point on a coordinate plane.

Find the coordinates for each point. Write the ordered pair.

1. A

2. E

3. N

4. R

5. D

6. S

7. C

8. T

9. B

10. P

11. M

12. O

Locate the coordinates for each ordered pair on the grid above, and label the point. Write the quadrant each lies within.

13. F (2, 1)

14. J (-5, 9)

15. Q (-1, 6)

16. V (5, -4)

17. G (-9, -1)

18. H (-9, -8)

19. W (8, 5)

20. Z (2, -9)

21. K (-3, 6)

22. L (2, -5)

23. U (5, 2)

24. Y (-3, -2)

Name _____

Metric and Customary Systems of Measurement

Multiply or divide to rename each unit of measurement.

1. $5 \text{ m} = ? \text{ cm}$

2. $1200 \text{ mL} = ? \text{ L}$

3. $1000 \text{ g} = ? \text{ kg}$

4. $720 \text{ cm} = ? \text{ m}$

5. $1.8 \text{ kg} = ? \text{ g}$

6. $8700 \text{ cL} = ? \text{ L}$

Remember:

Multiply by a power of 10 to rename greater units as lesser units.

Divide by a power of 10 to rename lesser units as greater units.

Multiply or divide to rename each unit of measurement.

7. $5 \text{ mi} = ? \text{ yd}$

8. $18 \text{ lb} = ? \text{ oz}$

9. $15 \text{ gal} = ? \text{ qt}$

10. $720 \text{ oz} = ? \text{ lb}$

11. $880 \text{ yd} = ? \text{ mi}$

12. $75 \text{ dm} = ? \text{ m}$

Add, subtract, or multiply. Then rename in simplest form.

13.
$$\begin{array}{r} 6 \text{ ft } 3 \text{ in.} \\ + 3 \text{ ft } 14 \text{ in.} \\ \hline \end{array}$$

14.
$$\begin{array}{r} 4 \text{ c } 11 \text{ fl oz} \\ + 1 \text{ c } 3 \text{ fl oz} \\ \hline \end{array}$$

15.
$$\begin{array}{r} 12\text{T } 550 \text{ lb} \\ \times 4 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 1 \text{ lb } 2 \text{ oz} \\ + 3 \text{ lb } 18 \text{ oz} \\ \hline \end{array}$$

17.
$$\begin{array}{r} 6 \text{ c } 4 \text{ fl oz} \\ - 4 \text{ c } 5 \text{ fl oz} \\ \hline \end{array}$$

18.
$$\begin{array}{r} 6 \text{ gal } 0 \text{ qt} \\ - 2 \text{ gal } 1 \text{ qt} \\ \hline \end{array}$$

Name _____

Basic Geometric Terms and Angle Classifications

Match the term in Column A with the definition in Column B.

Draw a figure to represent the term.

Column A		Column B
1. point	_____	a. a flat surface that extends indefinitely in all directions
2. ray	_____	b. lines that lie in the same plane and intersect at right angles
3. perpendicular lines	_____	c. part of a line with two endpoints
4. line	_____	d. an exact location in space, usually represented by a dot
5. intersecting lines	_____	e. part of a line with one endpoint
6. parallel lines	_____	f. formed by two rays with a common endpoint
7. plane	_____	g. lines that lie in the same plane and do not intersect
8. angle	_____	h. a set of points in space that form a straight path and extends indefinitely in opposite directions
9. line segment	_____	i. lines that lie in the same plane and meet at a point

Classify the following angles according to their degree measure. Write *acute*, *right*, *obtuse*, or *straight*.

10. an angle of 110°

11. an angle of 135°

12. an angle of 17°

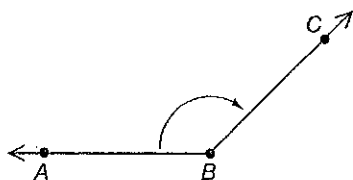
13. an angle of 45°

14. an angle of 180°

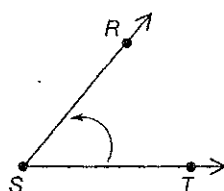
15. an angle of 90°

Classify each angle.

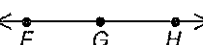
16.



17.



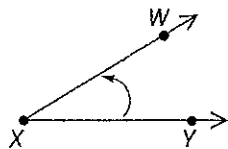
18.



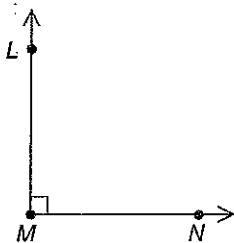
Name _____

Use a protractor to measure each angle and write its degree measure.

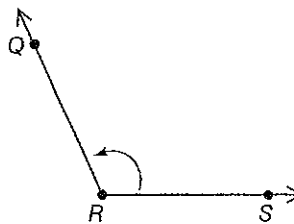
19.



20.



21.



Use a protractor to draw each angle.

22. 120° 23. 165° 24. 42° 25. 35° 26. 270° 27. 45°

Name _____

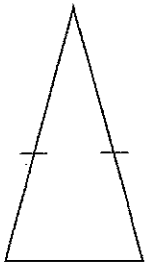
Triangles and Quadrilaterals

Match the term in Column A with the definition in Column B.

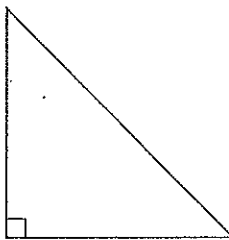
Column A		Column B
1. equilateral triangle	_____	a. three-sided polygons
2. right triangle	_____	b. one right angle
3. isosceles triangle	_____	c. no sides congruent
4. obtuse triangle	_____	d. all sides congruent
5. scalene triangle	_____	e. one obtuse angle
6. acute triangle	_____	f. three acute angles
7. triangle	_____	g. two sides congruent

Classify, or name, each triangle.

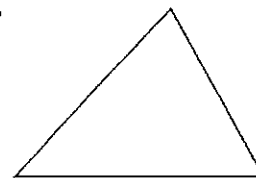
8.



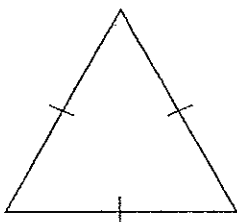
9.



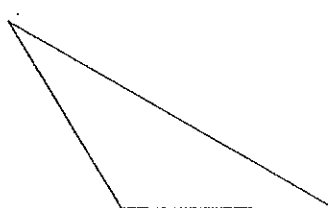
10.



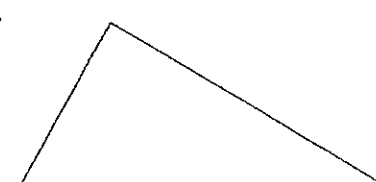
11.



12.



13.



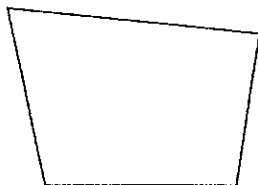
Name _____

Match the term in Column A with the definition in Column B.

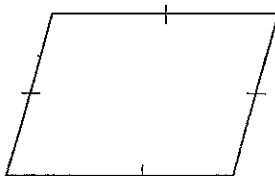
Column A		Column B
14. quadrilateral	_____	a. parallelogram with four congruent sides
15. square	_____	b. parallelogram with four congruent sides and four right angles
16. rectangle	_____	c. parallelogram with four right angles
17. parallelogram	_____	d. polygon with four sides
18. rhombus	_____	e. quadrilateral with one pair of opposite sides parallel
19. trapezoid	_____	f. quadrilateral with opposite sides parallel, opposite sides congruent

Classify, or name, each quadrilateral.

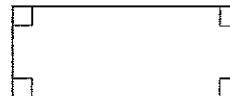
20.



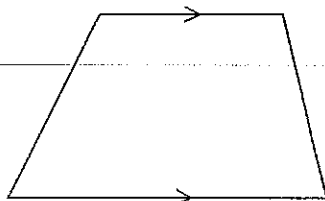
21.



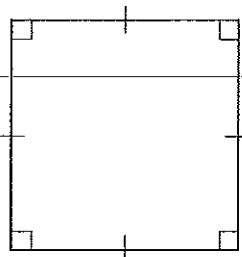
22.



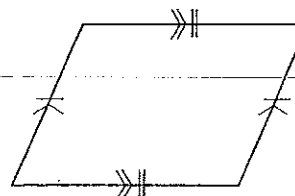
23.



24.



25.

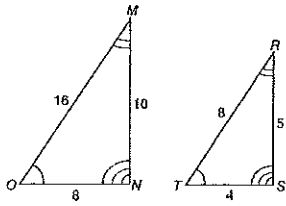


Name _____

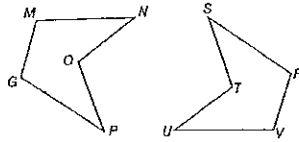
Similarity and Congruence

Classify each pair of figures. Write *similar* or *not similar*. Explain how you know.

1.



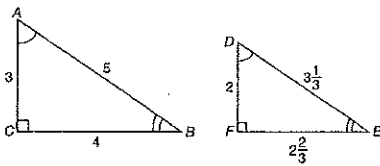
2.



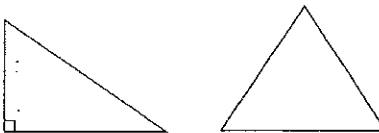
Remember:

Similar figures have the same shape and the same or different size. Their corresponding angles are congruent; the length of their corresponding sides is proportional.

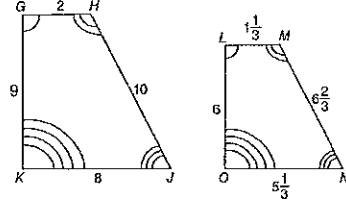
3.



4.

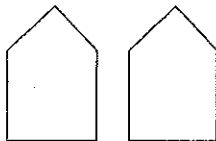


5.

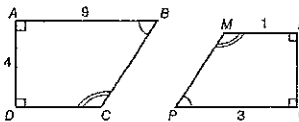


Classify each pair of polygons. Write *congruent* or *not congruent*. Explain how you know.

6.



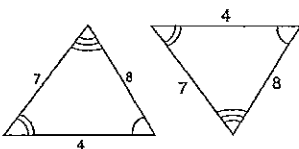
7.



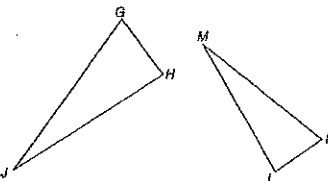
Remember:

Congruent polygons have the same shape and the same size. Their corresponding sides and corresponding angles are congruent.

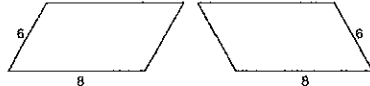
8.



9.



10.



Name _____

Perimeter and Area of Polygons

Find the perimeter, given the side lengths.

1. square, $s = 5$ yd

2. regular pentagon, $s = 15$ in.

Remember:

Perimeter is the distance around a polygon. The perimeter, P , of a rectangle is $P = 2(\ell + w)$

3. hexagon, $s = 12$ mi

4. rectangle, $\ell = 4$ in., $w = 3$ in.

5. parallelogram, $\ell = 6$ ft, $w = 9$ ft

6. octagon, $s = 8$ in.

7. equilateral triangle, $s = 16$ yd.

8. quadrilateral, $s_1 = 3$ yd, $s_2 = 6$ yd,
 $s_3 = 9$ yd, $s_4 = 12$ yd

Find the area given the dimensions of the figure. Use 3.14 for π .

9. rectangle: $\ell = 17$ in, $w = 2$ in.

10. parallelogram: $b = 5$ yd,
 $h = 30$ yd

Remember:

Area is the number of square units that cover a polygon's surface. Refer to SourceBook page 435 for the area formulas of polygons.

11. triangle: $b = 14$ ft, $h = 9$ ft

12. square: $s = 13$ mi

13. rectangle: $\ell = 8$ ft, $w = 25$ ft

14. circle: $r = 9$ yd

15. trapezoid: $b_1 = 6$ in.
 $h = 7$ in, $b_2 = 10$ in.

16. circle: $d = 25$ yd

Name _____

Volume and Surface Area

Find the volume of each figure. Use 3.14 for π .

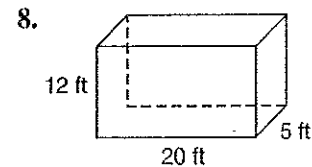
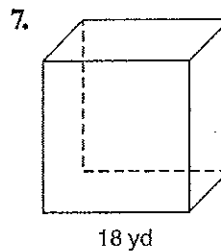
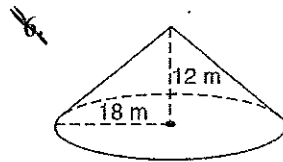
1. a cube
 $e = 6$ in.

2. a cone
 $h = 20$ in., $d = 16$ in.

3. a cylinder
 $h = 8$ cm
 $d = 15$ cm

4. rectangular prism
 $h = 12$ in., $w = 16$ in.
 $\ell = 18$ in.

5. triangular prism
Triangle $h = 2$ yd,
 $b = 5$ yd, $h = 15$ yd



Remember:

Volume is the space a figure occupies.

Volume of a Prism: $V = \ell wh$

Volume of a Cylinder: $V = bh$ or $V = \pi r^2 h$

Lateral area is the area of all surfaces of a figure except the base(s). $LA = Ph$

Surface area of a three-dimensional figure is the sum of the areas of all its surfaces

$S = 2(\ell w + \ell h + wh)$

Lateral and Surface Areas of a Cylinder:

$LA = 2\pi rh$ or πdh

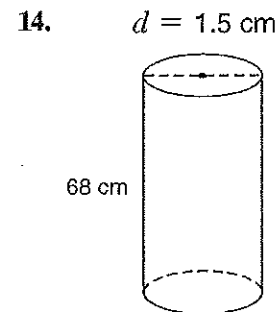
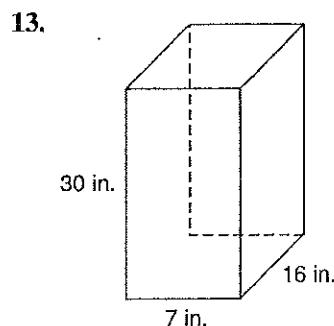
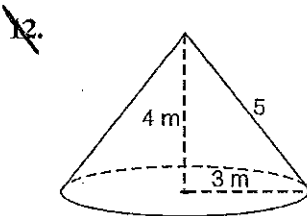
$S = LA + 2B$, where LA is lateral area, r is the radius of the base, d is the diameter of the base, h is the height of the cylinder, S is the surface area, and B is the area of the base.

Find the lateral area and surface area of each figure. Round to the nearest hundredth.

9. a cylinder
 $h = 18$ ft
 $d = 25$ ft

10. rectangular prism
 $h = 6$ m, $w = 1.6$ m
 $\ell = 8$ m

11. triangular prism
 $h = 8$ ft, $s_1 = 5$ ft
 $s_2 = 5$ ft, $b = s_3 = 6$



Name _____

Probability and Odds

Use the following information for exercises 1–6. A store stocks 32 black coats, 17 navy blue coats, 2 red coats, and 12 striped coats. If a store clerk randomly picks from stock, find the probability...

1. of picking a striped coat.

Remember:

The probability of an event, $P(E)$, is equal to the number of favorable outcomes divided by the total number of possible outcomes.

2. of picking a black coat.

3. of picking a red or a black coat.

4. against picking a navy blue coat.

5. of picking any type of coat.

6. not picking a striped coat.

7. of picking a navy blue or striped coat.

8. Jack, Sue, Johanna, Steve, and Becky eat dinner. Two of them must wash the dishes. If two are chosen at random, and each as an equally likely chance of being picked, what is the probability that the two will be boys? That the two will be girls?

A number cube labeled 1–6 is tossed. Find the odds...

9. of rolling a 4.

Remember:

Odds are a ratio that compares the number of favorable outcomes to the number of unfavorable outcomes, or vice versa.

10. of rolling a multiple of 2.

11. of rolling a multiple of 3.

12. against rolling a 5.

13. against rolling a multiple of 4.

French Summer Work

Gr. 5-8

Please read and try to memorize.

Lire et essayer de mémoriser.

(You can find the correct pronunciations on YouTube)

Signe de croix - Sign of the Cross

Au nom du père, du fils et du saint esprit. Amen

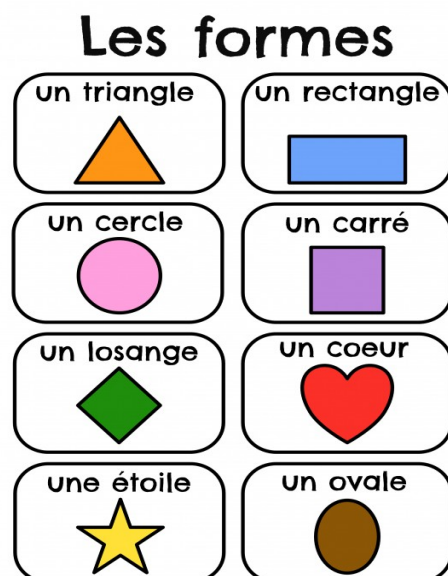
Notre père - Our Father

Notre père qui est au cieux, que ton nom soit sanctifié, que ta règne vienne, que ta volonté soit faites sur la terre comme au ciel, donne nous aujourd'hui notre pain quotidien et pardonne nous nos offences comme nous pardonnons à ceux qui nous a offensés, et ne nous induis point en tentation mais délivre nous du mal
Amen.

Je vous salue Marie - Hail Mary

Je vous salue Marie plein de grâce , le seigneur est avec vous, vous êtes bénie entre toutes les femmes et jésus le fruit de vos entrailles est béni.

Saint Marie mère de dieu, priez pour nous votre pécheurs maintenant et à l'heure de notre mort. Amen



Les mois de l'année

1. janvier
2. février
3. mars
4. avril
5. mai
6. juin
7. juillet
8. août
9. septembre
10. octobre
11. novembre
12. décembre

Fb/C.de.français

LES JOURS DE LA SEMAINE

Days of the Week

LUNDI Monday

MARDI Tuesday

MERCREDI Wednesday

JEUDI Thursday

VENDREDI Friday

SAMEDI Saturday

DIMANCHE Sunday

Les nombres cardinaux

1 un	13 treize	50 cinquante
2 deux	14 quatorze	60 soixante
3 trois	15 quinze	70 soixante-dix
4 quatre	16 seize	71 soixante-et-onze
5 cinq	17 dix-sept	80 quatre-vingts
6 six	18 dix-huit	81 quatre-vingt-un
7 sept	19 dix-neuf	90 quatre-vingt-dix
8 huit	20 vingt	91 quatre –vingt-onze
9 neuf	21 vingt- ET -un	100 cent
10 dix	22 vingt-deux	101 cent un
11 onze	30 trente	200 deux cents
12 douze	40 quarante	201 deux cent un

Verbe Avoir (to have)

J'ai
Tu as
Il/elle a
Nous avons
Vous avez
Ils/elles ont

Verbe être (To be)

Je suis
Tu es
Il/elle est
Nous sommes
Vous êtes
Ils/elles sont

Verbe Avoir au négative

Je n'ai pas
Tu n'as pas
Il/elle n'a pas
Nous n'avons pas
Vous n'avez pas
Ils/elles n'ont pas

Verbe être au négative

Je ne suis pas
Tu n'es pas
Il/elle n'est pas
Nous ne sommes pas
Vous n'êtes pas
Ils/elles ne sont pas