Math For Me:

Level F

This book belongs to:

_____

Math For Me

Level F

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MATH FOR ME

LEVEL F

Note to parents:

Thank you for buying this workbook, I made it for my own children and wanted to share. We like to play a lot of math games, so I wanted a workbook with less worksheets, this way we have more time to play. Use it as a guide and play as much as you can.

I hope you and your children enjoy it.

Abby.

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NUMBERS AND NUMBER SENSE

Billions			Millions			Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones
4	5	2	7	8	2	8	4	7	2	9	0

Billions and Place Value

Write the correct number of millions, thousands, and ones.

	Millions	Thousands			Ones		
	ones	Hundreds	Ten	ones	hundreds	tens	ones
5,734,582							
8,386,285							
8,036,273							
5,301,192							

Write these numbers below: five hundred twenty-six, seventy-three thousand nine hundred, four million, one million and two hundred thousand.

Read these numbers:

3,572,950 4,028,672 5,208,451 4,184,023

Write 5,728,925 in expanded form.

Write >, <, or =.

4,736,082		5,263,846
1,073,460		2,627,803
6,782,199		3,627,035
8,448,132		8,448,132
5,247,861		1,365,096
2,573,925		7,246,904

Write the correct number of millions, thousands, and ones.

	Millions			Thousands			Ones		
	Hundreds	Ten	ones	Hundreds	Ten	ones	hundreds	tens	ones
37,374,062									
835,268,369									
473,968,248									
836,093,735									

Write these numbers below: nine hundred and sixty-seven million forty-eight thousand ten, four hundred and sixty million, seven hundred and eighteen million two thousand, five hundred and fifty-nine million two thousand and twenty-one.

Read these numbers:

374,803,572 647,359,024 527,835,947 347,782,477

Write 735,725,624 in expanded form.

Write >, <, or =.

463,748,942		463,748,942
473,963,072		264,736,268
573,864,263		364,969,757
646,937,384		903,953,264
960,264,600		563,682,603
563,738,752		356,374,246

6,	2	5	7,	1	4	8,	5	9	3

Color the number in the hundreds place red.

Color the number in the ten thousands place pink.

Color the number in the thousands place blue.

Color the number in the billions place green.

Color the number in the hundred thousands place orange.

Color the number in the ones place brown.

Color the number in the millions place yellow.

Write these numbers below: forty-one million, five hundred and seventy-nine million, three hundred and ninety thousand, one billion.

Read these numbers:

4,374,803,672 3,647,389,024 9,507,835,947 6,347,782,475

Write 5,384,738,012 in expanded form.

Write >, <, or =.

2,463,788,942		2,463,748,142
3,773,963,072		1,164,736,268
5,570,864,263		7,367,969,757
4,646,987,384		4,646,987,384
7,960,264,660		3,563,689,603
3,563,248,752		6,306,374,346

2	8	6,	2	5	7,	1	4	8,	5	9	3

Color the number in the hundreds place red.

Color the number in the ten thousand place pink.

Color the number in the thousands place blue.

Color the number in the billions place green.

Color the number in the hundred thousand place orange.

Color the number in the hundred billion place brown.

Color the number in the millions place yellow.

Write these numbers below: forty-one billion, eight hundred and fifty-three billion, two hundred and two billion, nine hundred and eleven billion.

Read these numbers:

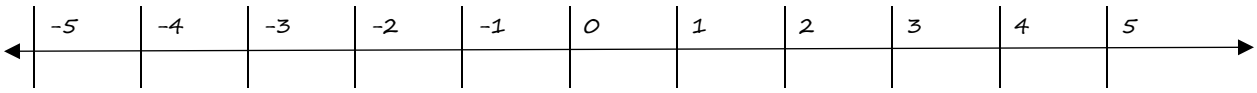
346,268,693,738 453,647,389,024 463,683,902,636 236,347,782,475

Write 374,375,840,357 in expanded form.

Write >, <, or =.

463,788,942,425		463,748,142,483
773,963,268,072		164,836,736,573
570,494,864,263		594,367,969,757
357,646,987,384		646,987,384,406
960,264,660,739		563,689,380,603
563,572,248,752		563,572,248,752

Positive and Negative Numbers



Write the opposites of these numbers:

5 = -5

-3 = _____

4 = _____

-2 = _____

Write >, or <.

-3		1
2		-5
5		4
-1		-4

Add and subtract.

-2 + 5 = _____

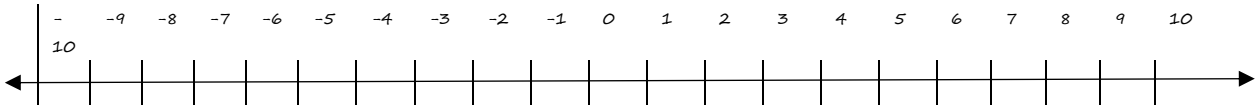
-1 + -3 = _____

2 + 2 = _____

4 − 3 = _____

-2 − 1 = _____

-1 − 4 = _____



Write the opposites of these numbers:

10 = -10

-6 = _____

8 = _____

-9 = _____

Write >, or <.

-5		8
7		-2
9		7
-10		-3

Add and subtract.

-8 + 4 = _____

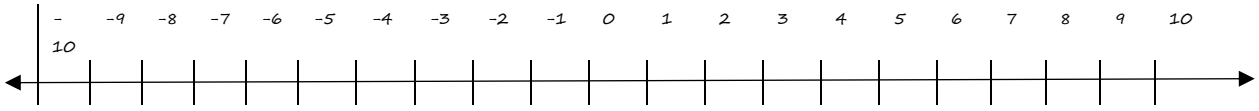
-3 + -6 = _____

7 + 2 = _____

9 – 3 = _____

-5 – 4 = _____

-2 – 8 = _____



Add and subtract.

-4 + 7 =		1 – 2 =	
-6 + -4 =		-5 – 3 =	
9 + -10 =		-8 – 2 =	

10 + -10	8 - -4
-5 + 3	-2 + -7
5 - +7	-8 - + 6

Rounding

Round to the nearest thousand.

4,935		8,737	
8,461		2,892	
1,062		7,430	

Round to the nearest hundred thousand.

683,642		175,942	
935,920		683,144	
836,063		910,483	

Round to the nearest million.

4,475,902		8,737,345	
8,042,668		2,942,736	
1,462,894		7,636,964	

Squares, Exponents, and Powers of Ten

Solve.

$1^2=$ _____	$4^2=$ _____	$7^2=$ _____	$10^2=$ _____
$2^2=$ _____	$5^2=$ _____	$8^2=$ _____	$11^2=$ _____
$3^2=$ _____	$6^2=$ _____	$9^2=$ _____	$12^2=$ _____

$1^4=$	1x1x1x1=	$7^3=$	
$8^2=$		$5^8=$	
$1^6=$		$6^5=$	

$10^1=$	10
$10^2=$	
$10^3=$	
$10^4=$	10x10x10x10=10,000
$10^5=$	
$10^6=$	

Solve.

$17^1=$	
$2^2=$	
$6^7=$	
$10^5=$	
$9^3=$	
$4^6=$	

Solve.

$10^{10}=$	
$2^{8}=$	
$8^{3}=$	
$9^{1}=$	
$7^{7}=$	
$15^{5}=$	

Prime Numbers and Factors

Find the prime numbers and circle them. Cross the composite numbers.

	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Break these numbers into prime factors.

81=	9x9	9= 3x3	81= 3x3x3x3	$81=3^4$
49=				
16=				

Break these numbers into prime factors.

9=				
64=				
256=				

Greatest Common Factor and Least Common Factor

Find the Factors of…

8
4
18
16
20

Find the Multiples of…

2
3
4
5
10

Find the greatest common factor

20
28

24
36

12
16

Find the least common multiple

3
4

3
5

9
12

Find the greatest common factor

16
24

9
20

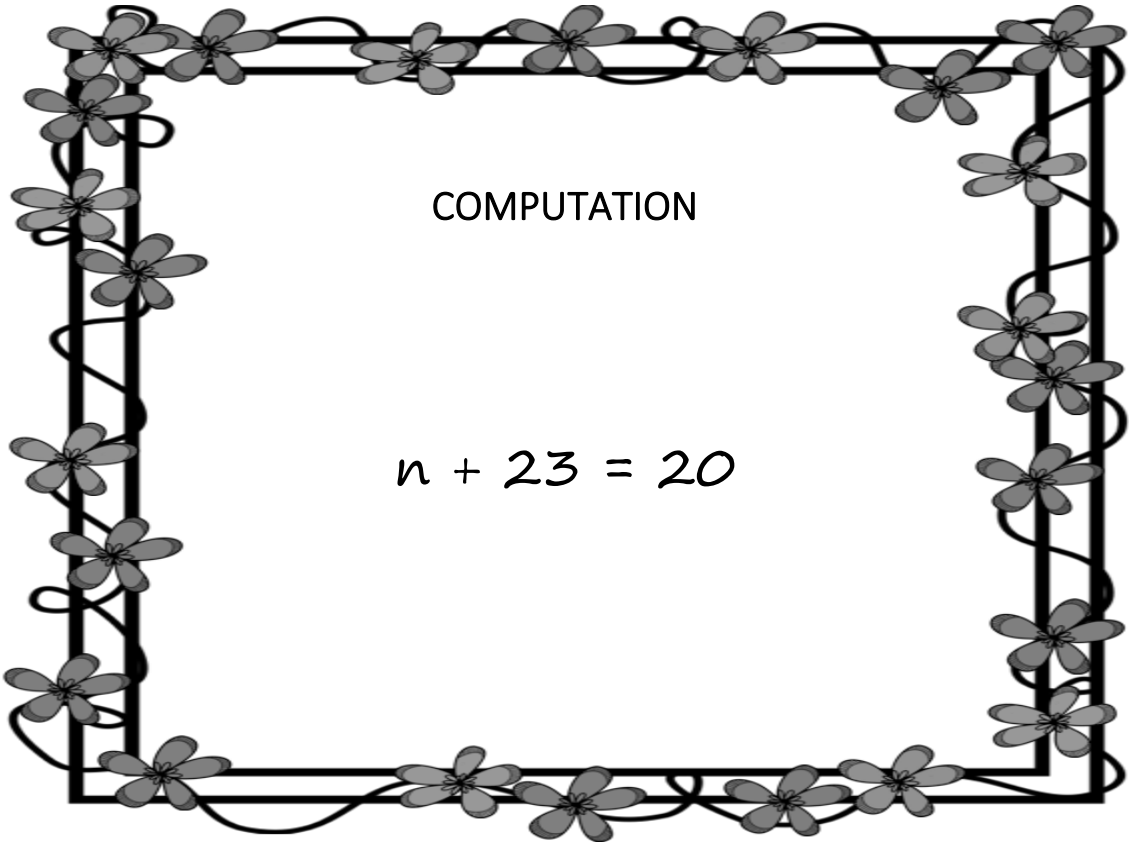
12
18

Find the least common multiple

2
3

4
6

2
8


COMPUTATION
n + 23 = 20

Equations

Find what number the variable in the equations stand for.

$n + 15 = 19$

$a - 8 = 10$

Find what number the variable in the equations stand for.

$n + 30 = 45$

$a - 12 = 8$

Find what number the variable in the equations stand for.

$n \times 5 = 20$

$a \div 9 = 90$

Find what number the variable in the equations stand for.

$n \times 3 = 33$

$a \div 6 = 36$

Find what number the variable in the equations stand for.

$n + 5 = -12$

$a - 8 = -5$

Find what number the variable in the equations stand for.

$n + 10 = -8$

$a - 3 = -6$

Find what number the variable in the equations stand for.

$n + 5^2 = 20$

$a - 10^2 = 27$

Find what number the variable in the equations stand for.

$n + 6^2 = 50$

$a - 4^2 = 36$

Find what number the variable in the equations stand for.

$n + 4^2 = 50 \times 2$

$a - 3^3 = 15 \times 2$

Find what number the variable in the equations stand for.

$n + 5 = 20 \div 2$

$a - 7 = 30 \div 10$

Multiplying Larger Factors

Multiply.

$$\begin{array}{r} 3{,}581 \\ \times\ 54 \\ \hline \end{array}$$

$$\begin{array}{r} 2{,}843 \\ \times\ 17 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 7{,}142 \\ \times\ 783 \\ \hline \end{array}$$

$$\begin{array}{r} 9{,}045 \\ \times\ 106 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 4{,}946 \\ \times\ 2{,}592 \\ \hline \end{array}$$

$$\begin{array}{r} 2{,}592 \\ \times\ 8{,}462 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 2{,}853 \\ \times\ 7{,}327 \\ \hline \end{array}$$

$$\begin{array}{r} 3{,}743 \\ \times\ 4{,}894 \\ \hline \end{array}$$

Short and Long Division

Solve.

$7\overline{)7{,}679}$

$4\overline{)3{,}964}$

$3\overline{)6{,}275}$

$5\overline{)1{,}529}$

Solve.

$2\overline{)4,753}$

$6\overline{)9,246}$

$9\overline{)5,742}$

$8\overline{)7,352}$

Solve.

$10\overline{)\,6{,}942}$

$45\overline{)\,5{,}743}$

$13\overline{)\,7{,}472}$

$55\overline{)\,5{,}572}$

Solve.

$63\overline{)917{,}679}$

$42\overline{)483{,}964}$

$83\overline{)609{,}275}$

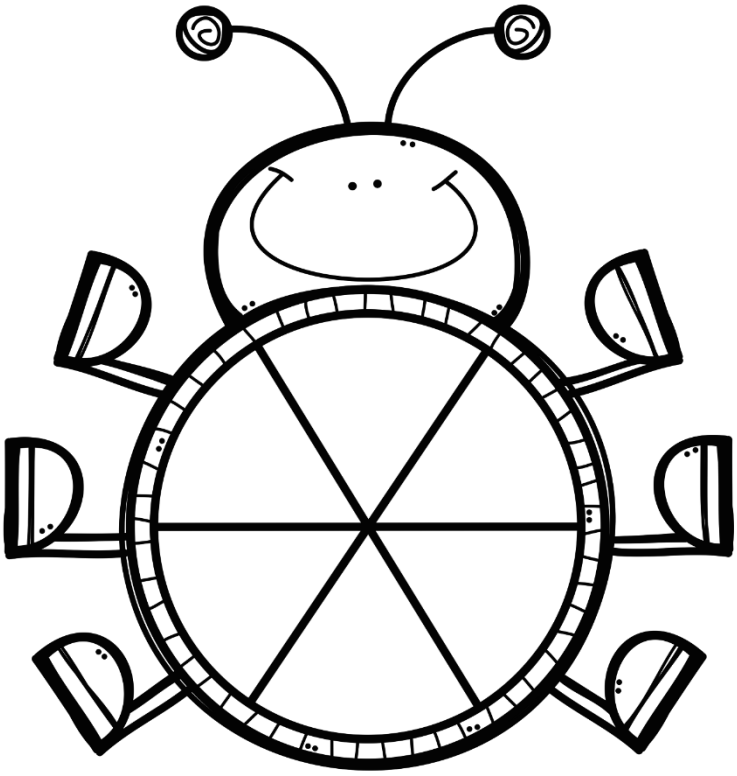
$53\overline{)100{,}529}$

Solve.

$275\overline{)734{,}652}$ $845\overline{)528{,}053}$

$285\overline{)427{,}824}$ $945\overline{)628{,}042}$

DECIMALS, FRACTIONS, AND MIXED NUMBERS



Decimals

Solve.

6.57 + 9.54	4.28 + 5.84
9.39 + 2.81	7.31 + 7.49
7.34 + 8.72	2.83 + 5.01

Solve.

6.57 - 3.54	4.28 - 1.15
9.39 - 6.18	7.31 - 3.21
7.34 - 4.02	2.83 - 1.50

Solve.

0.57 x 4	4.28 x 5
9.39 x 8	7.31 x 2
7.34 x 2	2.83 x 50

Solve.

0.37 x 24	2.73 x 53
4.16 x 30	1.59 x 92
9.49 x 22	7.83 x 63

Solve.

10 x 4.273 =

10 x 6.284 =

10 X 8.732 =

100 x 9.052 =

100 x 2.874 =

1,000 x 8.724 =

Solve.

5.37 x 2.4	2.90 x 5.3
4.76 x 3.7	1.58 x 9.2
4.89 x 2.2	9.81 x 6.7

Solve.

$2\overline{)40.62}$

$5\overline{)52.03}$

$8\overline{)42.82}$

$4\overline{)62.04}$

Solve.

56.8 ÷ 10 =

563.9 ÷ 10 =

385.67 ÷ 100 =

3.7 ÷ 100 =

6,397.56 ÷ 1,000 =

4.9 ÷ 1,000 =

Fractions and mixed numbers

When you multiply or divide a fraction (both the denominator and the numerator) by the same number you make an equivalent fraction.

Solve these equations so that the fractions are equivalent.

$\frac{2}{4} = \frac{n}{8}$	$\frac{2\ x\ 2}{4\ x\ 2} = \frac{4}{8}$	n = 4
$\frac{5}{8} = \frac{n}{24}$		
$\frac{7}{21} = \frac{n}{3}$		
$\frac{10}{30} = \frac{n}{6}$		

Put these fractions in their lowest terms.

$\frac{2}{4}$	$\frac{2 \div 2}{4 \div 2}$	$\frac{1}{2}$
$\frac{12}{18}$		
$\frac{16}{32}$		
$\frac{6}{21}$		

Compare these fractions.

$\frac{2}{4}$ and $\frac{6}{3}$	$\frac{2\ x\ 3}{4\ x\ 3} = \frac{6}{12}$	$\frac{6\ x\ 4}{3\ x\ 4} = \frac{24}{12}$	$\frac{6}{12} < \frac{24}{12}$	$\frac{2}{4} < \frac{6}{3}$
$\frac{5}{7}$ and $\frac{6}{4}$				
$\frac{9}{2}$ and $\frac{8}{5}$				
$\frac{4}{7}$ and $\frac{8}{6}$				

Add. Write each sum in lowest terms.

$$\frac{3}{5} + \frac{6}{5} =$$

$$\frac{8}{2} + \frac{4}{2} =$$

$$\frac{7}{9} + \frac{5}{9} =$$

$$\frac{7}{4} + \frac{6}{4} =$$

Add. Write each sum in lowest terms.

$$\frac{8}{5} + \frac{6}{2} =$$

$$\frac{9}{4} + \frac{4}{3} =$$

$$\frac{7}{5} + \frac{5}{9} =$$

$$\frac{1}{6} + \frac{6}{4} =$$

Solve. Write each difference in lowest terms.

$$\frac{9}{5} - \frac{6}{5} =$$

$$\frac{8}{2} - \frac{4}{2} =$$

$$\frac{7}{9} - \frac{5}{9} =$$

$$\frac{7}{4} - \frac{6}{4} =$$

Solve. Write each difference in lowest terms.

$$\frac{8}{5} - \frac{2}{2} =$$

$$\frac{9}{4} - \frac{4}{3} =$$

$$\frac{7}{5} - \frac{5}{9} =$$

$$\frac{9}{6} - \frac{6}{4} =$$

Write these fractions as decimals.

$\frac{2}{5}$	
$\frac{7}{10}$	
$\frac{15}{20}$	
$\frac{21}{25}$	
$\frac{34}{50}$	

Write these decimals as fractions or mixed numbers.

0.25	
0.048	
5.63	
1.029	
0.39	

Add. Write each sum in lowest terms.

$$7\frac{2}{5} + 1\frac{4}{5} =$$

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

$$8\frac{7}{9} + 2\frac{5}{9} =$$

$$4\frac{1}{6} + 6\frac{5}{6} =$$

Add. Write each sum in lowest terms.

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

$$6\frac{3}{4} + 5\frac{2}{3} =$$

$$8\frac{4}{5} + 7\frac{5}{9} =$$

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

Solve. Write each difference in lowest terms.

$$6\frac{4}{5} - 1\frac{3}{5} =$$

$$8\frac{1}{2} - 4\frac{1}{2} =$$

$$7\frac{7}{9} - 3\frac{5}{9} =$$

$$7\frac{2}{4} - 4\frac{1}{4} =$$

Solve. Write each difference in lowest terms.

$$8\frac{4}{5} - 1\frac{1}{2} =$$

$$9\frac{3}{4} - 4\frac{1}{3} =$$

$$7\frac{4}{5} - 4\frac{3}{9} =$$

$$9\frac{5}{6} - 6\frac{2}{4} =$$

Solve. Write each product in lowest terms.

$8 \times \frac{2}{2} =$

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

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

$6 \times \frac{6}{4} =$

PERCENTS

Percent

Write the percent as fraction.

8%	
25%	
10%	
50%	
68%	

Write the fractions as a percent.

$\frac{1}{2}$	
$\frac{1}{5}$	
$\frac{1}{4}$	
$\frac{1}{10}$	

Write the percent as decimals.

27%	$\frac{27}{100} = 0.27$
79%	
56%	
10%	
30%	
37%	

Find the 30% of these numbers.

1000

560

397

Find the 57% of these numbers.

492

571

943

Find the 26% of these numbers.

463

111

582

Average

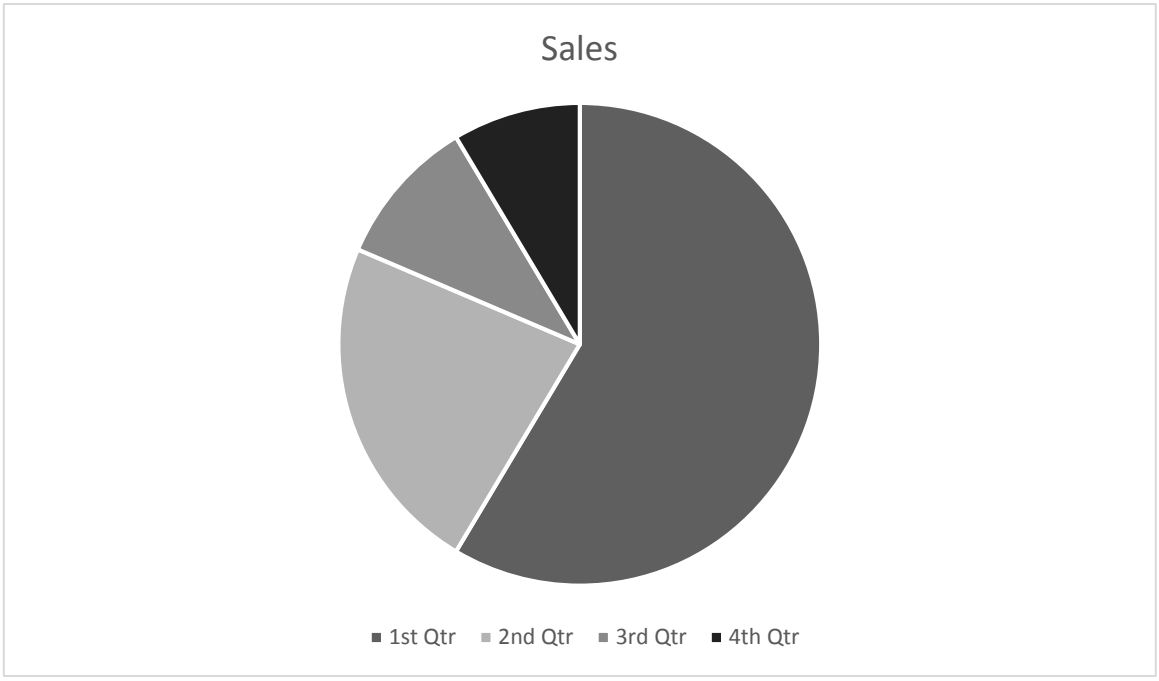
Find the average of these sets of numbers.

10,5,6,2,9

28,56,30,10,44

54,27,94,76,20

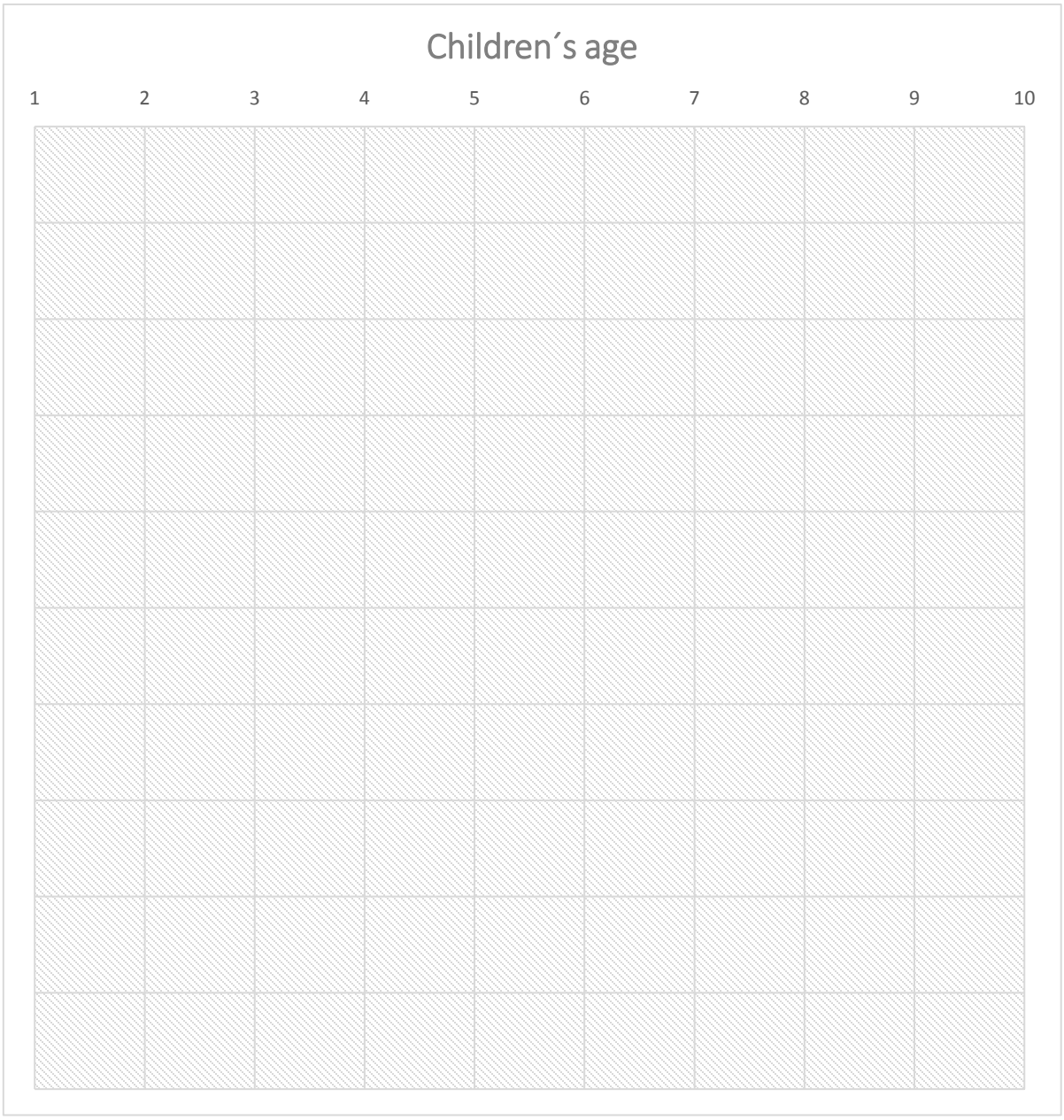
GRAPHS



Use the data to make a bar graph.

BALLET CLASS
CHILDREN´S AGE

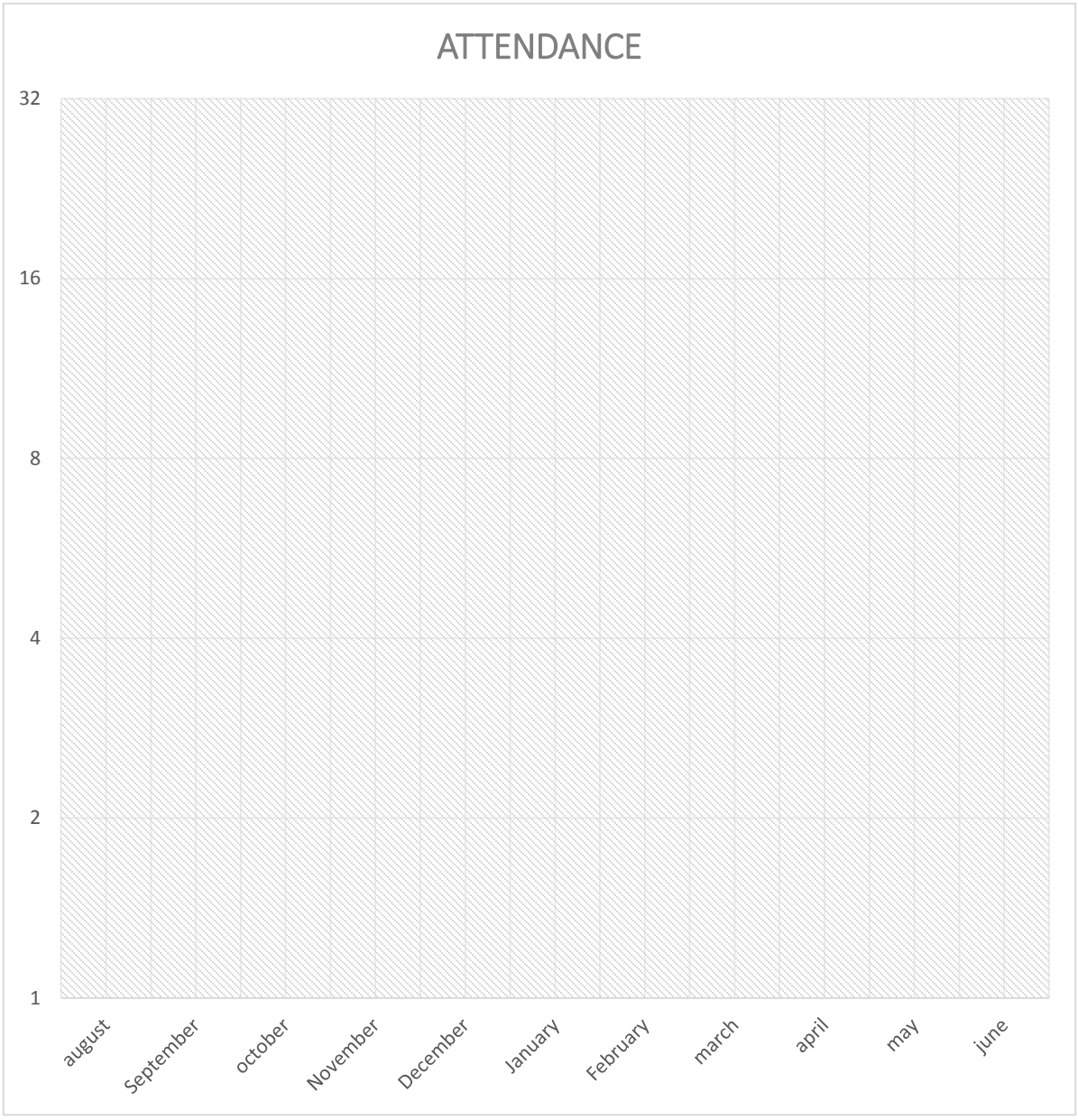
SAM	8
MADDIE	6
EMMA	9
SARAH	9
LISA	10
ANN	8
BECKY	7
LILY	9
JULES	7
ANGELA	6


Children´s age
1
2
3
4
5
6
7
8
9
10

Use the data to make a line graph.

AVERAGE MONTHLY 5TH GRADE ATTENDANCE 2019

AUGUST	25
SEPTEMBER	22
OCTOBER	24
NOVEMBER	19
DECEMBER	24
JANUARY	21
FEBRUARY	19
MARCH	25
APRIL	24
MAY	23
JUNE	25


ATTENDANCE
32
16
8
4
2
1
august
September
october
November
December
January
February
march
april
may
june

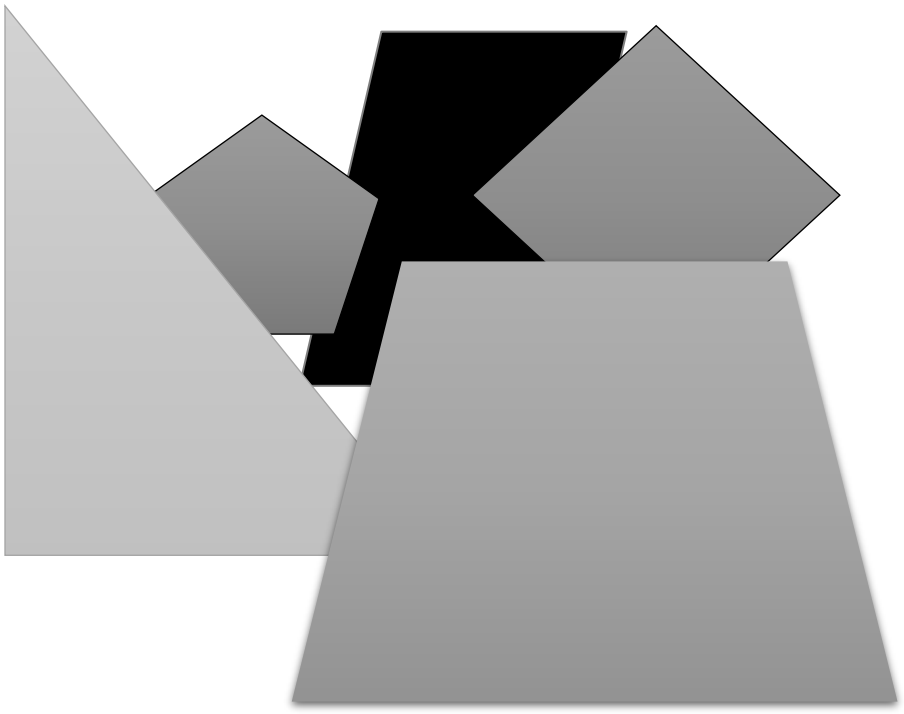
Use Excel to make a table and a bar graph. Print your work and paste it on these two pages.

Use Excel to make a table and a line graph. Print your work and paste it on these two pages.

Use Excel to make a table and a circle graph. Print your work and paste it on these two pages.

Use Excel to make a table and a circle graph. Print your work and paste it on these two pages.

GEOMETRY



Angles

Using a protractor draw a 90° angle and a 45° angle.

Using a protractor draw a 135° angle and a 160° angle.

Kinds of Triangles

Using a ruler and a compass draw an equilateral triangle.

Using a ruler and a compass draw a right triangle.

Using a ruler and a compass draw an isosceles triangle.

Polygons

Answer: What is a polygon?

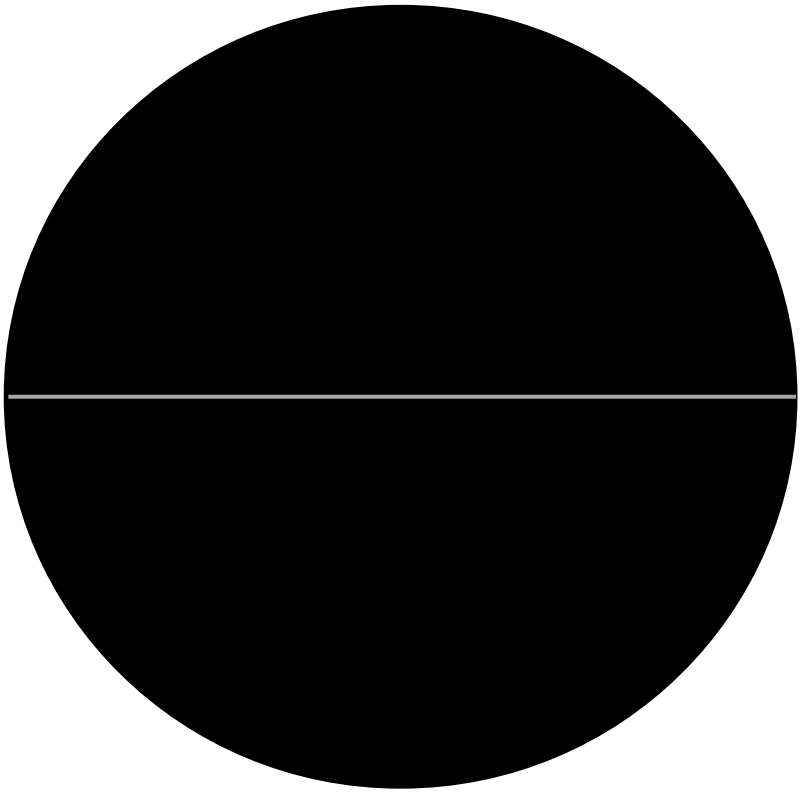
Draw 2 polygons.

Circles

Using your compass draw a circle with a 5cm diameter.

What is the circumference of this circle?

Circumference of a circle = π x diameter **C = π x d**	**π = 3.14**



Draw a circle with a 3 in diameter. What is its circumference?

Draw a circle with a 2 in diameter. What is its circumference?

Draw a circle with a 6 in diameter. What is its circumference?

Area

a = l X w

What is the area of a rectangle with sides 8 feet and 10 feet?

What is the area of a square with sides 5 feet?

What is the area of a rectangle with sides 4 feet and 6 feet?

Area of a Triangle
a = (b X h) ÷ 2

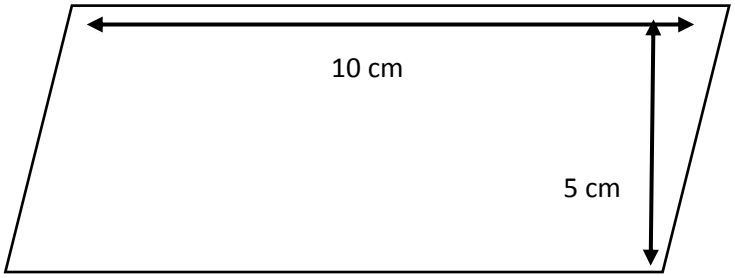
Draw a triangle with sides of 10 cm, 5 cm, and 8 cm. What is its area?

Draw a triangle with sides of 3 in, 5 in, and 6 in. What is its area?

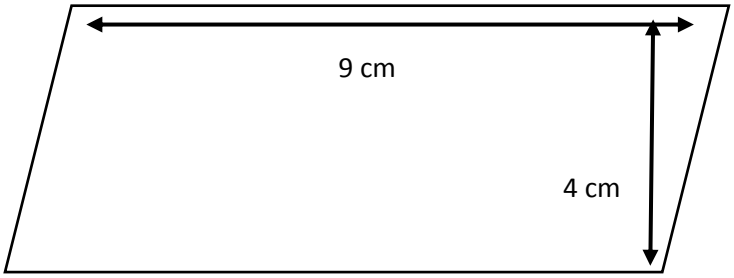
Draw a triangle with sides of 15 cm, 13 cm, and 17 cm. What is its area?

Area of a Parallelogram
a = b X h

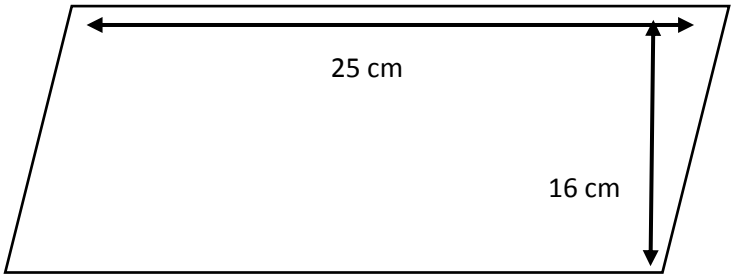
What is the area of this parallelogram?



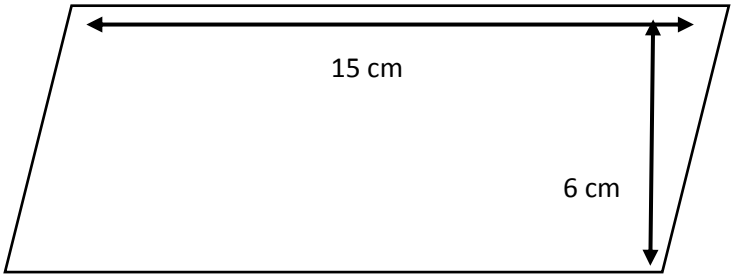
What is the area of this parallelogram?



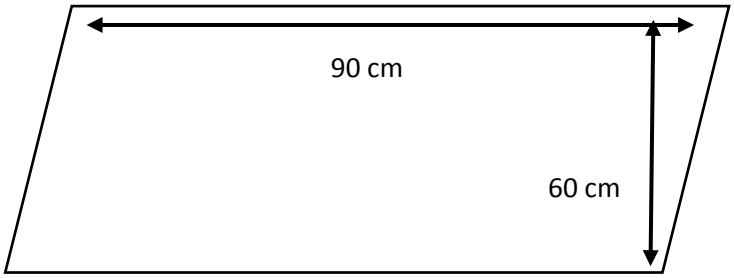
What is the area of parallelogram?



What is the area of this parallelogram?



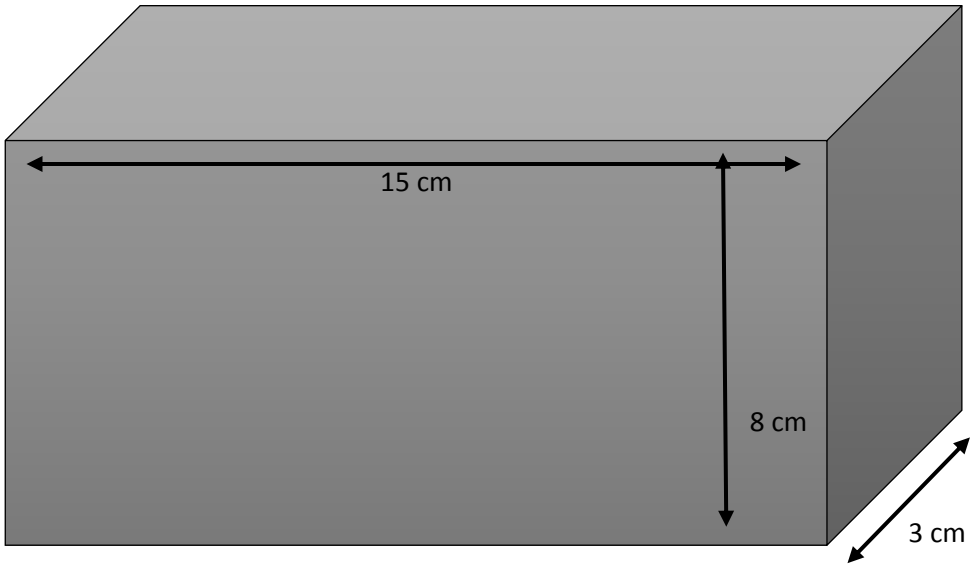
What is the area of parallelogram?



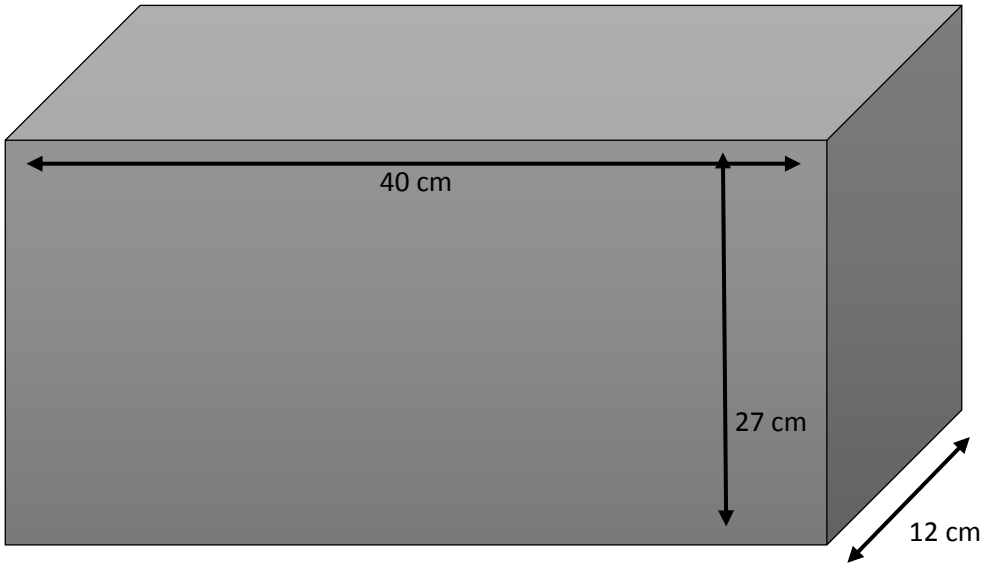
Volume

Volume of a Rectangular Prism
V = l X w X h

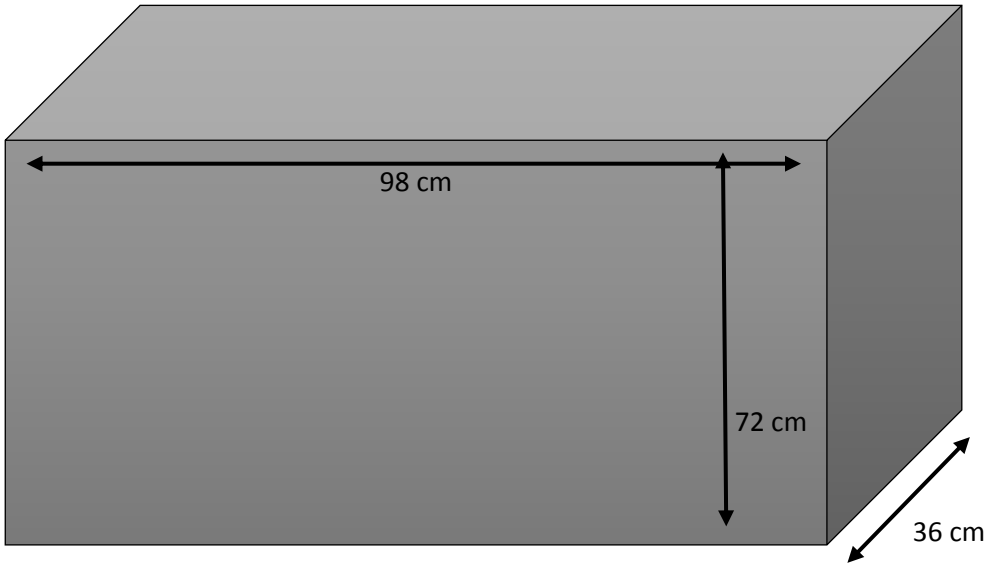
What is the volume of this Rectangular Prism?



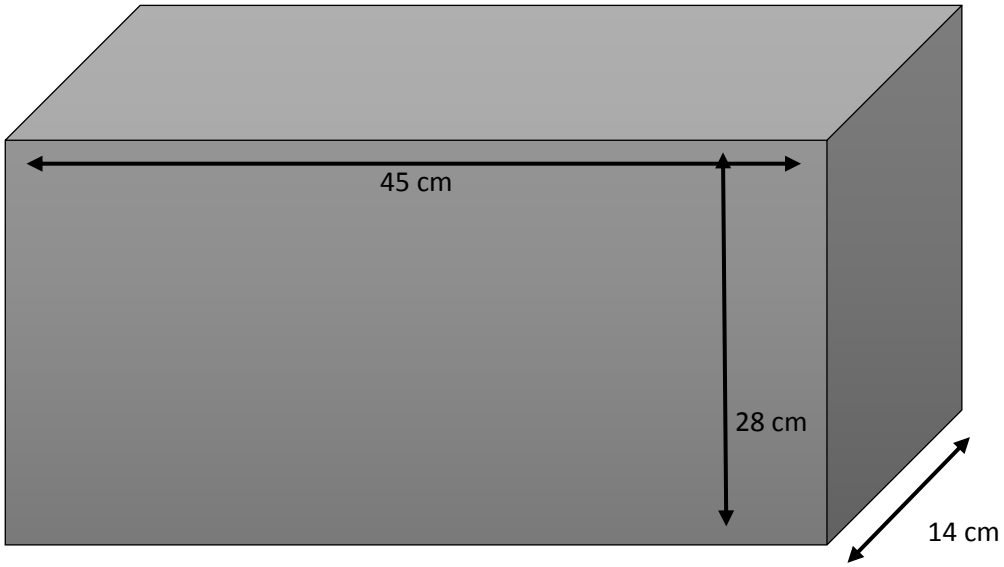
What is the volume of this Rectangular Prism?



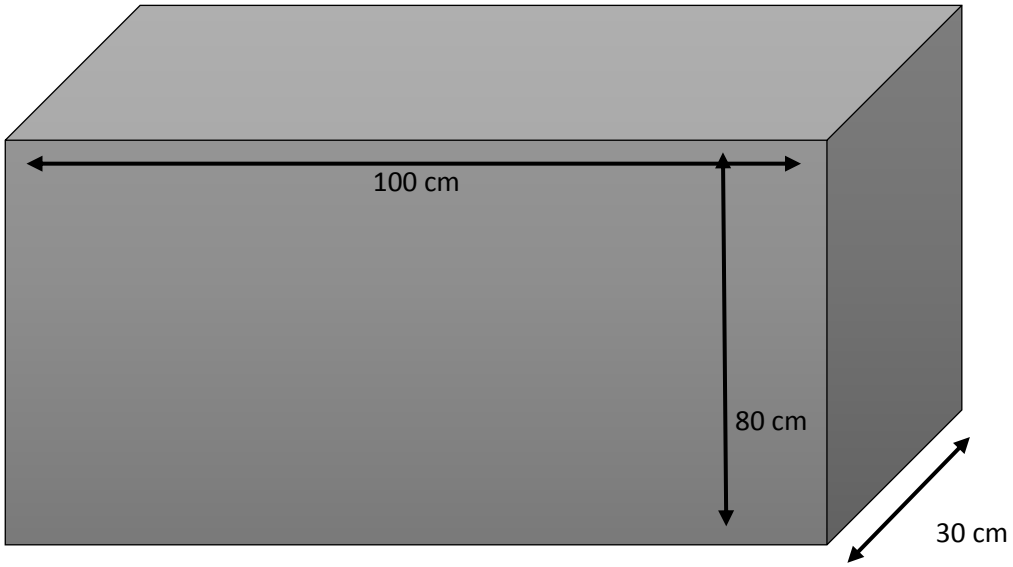
What is the volume of this Rectangular Prism?



What is the volume of this Rectangular Prism?



What is the volume of this Rectangular Prism?



Changing U.S. Customary Units

Length	Weight	Capacity
1 ft = 12 in	1 lb = 16 oz	1 gal = 128 fl oz
1 yrd = 3 ft	1 ton = 2,000 lb	1 qt = 2 pt
1 mi = 5,280 ft		1 gal = 8 pt
1 mi = 1,760 yrd		1 gal = 4 qt

Convert.

5 ft = _____in

10 yrd = _____ft

10 mi = _____ft

Convert.

25 yrd = _____in

31 mi = _____ft

50 mi = _____yrd

Convert.

430 yrd = _____in

780 mi = _____ft

741 mi = _____yrd

Convert.

10 lbs = _____oz

76 lbs = _____oz

50 ton = _____lbs

Convert.

129 lbs = _____oz

1,340 lbs = _____oz

100 ton = _____lbs

Convert.

10 lbs = _____oz

76 lbs = _____oz

50 ton = _____lbs

Convert.

10 gal = _____oz

75 qt = _____pt

50 gal = _____qt

Convert.

145 gal = _____pt

58 qt = _____pt

523 gal = _____qt