



Geel 2000 Language Schools

Math Department

Primary 5

Second term

2023 - 2024

Unit 7

Lesson 1 Finding like denominators using the L . c.m

Using L.c.m to find smallest like denominators:

a) $\frac{1}{3}$ and $\frac{1}{9}$

b) $\frac{1}{5}$ and $\frac{1}{4}$

c) $\frac{5}{12}$ and $\frac{1}{4}$

d) $\frac{3}{4}$ and $\frac{5}{12}$

e) $\frac{1}{5}$ and $\frac{3}{10}$

f) $\frac{2}{3}$ and $\frac{2}{7}$

g) $\frac{2}{5}$ and $\frac{1}{3}$

j) $\frac{4}{5}$ and $\frac{1}{6}$

lesson 2 & 3

Adding and subtracting with unlike denominators

find each of the following

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

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

$$3) \frac{5}{6} + \frac{1}{3} =$$

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

$$5) \frac{3}{5} - \frac{1}{3} =$$

$$6) \frac{7}{10} - \frac{1}{2} =$$

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

$$8) \frac{1}{4} + \frac{1}{3} =$$

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

$$10) \frac{1}{2} + \frac{2}{3} =$$

Lesson 4

More of adding and subtracting with unlike denominators :

Complete:

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

$$2) \frac{1}{5} + \frac{1}{3} = \dots\dots\dots$$

$$3) \frac{4}{6} + \frac{2}{3} = \dots\dots\dots$$

$$4) \frac{2}{3} + \frac{1}{3} = \dots\dots\dots$$

$$5) \frac{5}{6} - \frac{2}{3} = \dots\dots\dots$$

$$6) \frac{7}{11} - \frac{1}{3} = \dots\dots\dots$$

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

$$8) \frac{2}{5} + X = \frac{5}{5} \text{ so } X = \dots\dots\dots$$

$$9) 1 - \frac{2}{7} = \dots\dots\dots$$

$$10) 1 - \dots\dots\dots = \frac{5}{7}$$

Unit 8

Lesson 1& 2

Adding and subtracting with unlike denominators

Evaluate each sum or difference

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

$$2) 1 \frac{2}{10} + 2 \frac{5}{10} =$$

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

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

$$5) 4 \frac{5}{10} + 2 \frac{3}{10} =$$

$$6) 4 \frac{3}{11} - 1 \frac{2}{11} =$$

$$7) 1 \frac{2}{5} - 1 \frac{1}{5} =$$

$$8) 5 \frac{2}{7} - 3 \frac{1}{7} =$$

$$9) 10 \frac{7}{15} - 1 \frac{3}{15} =$$

Find the missing number:

$$3 \frac{1}{5} + T = 5 \frac{3}{5} \quad T = \dots\dots\dots$$

$$C + 4 \frac{7}{11} = 5 \frac{7}{11} \quad C = \dots\dots\dots$$

$$Z + 3 \frac{3}{8} = 6 \frac{5}{8} \quad Z = \dots\dots\dots$$

$$4 + X = 4 \frac{3}{5} \quad X = \dots\dots\dots$$

Lesson 3 - 5 :

Find the result in simplest form:

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

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

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

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

$$9\frac{5}{6} + 8\frac{1}{5} =$$

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

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

$$6\frac{2}{3} - 3\frac{1}{4} =$$

$$3\frac{3}{6} - 2\frac{1}{3} =$$

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

$$5\frac{5}{8} - 1\frac{1}{3} =$$

Evaluate simplify if possible:

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

$$7 \frac{1}{2} + 2 \frac{3}{8} =$$

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

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

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

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

$$6 \frac{5}{8} - 2 \frac{1}{4} =$$

Did you know :

1 year = 365 days

1 years = 12 month

1 week = 7 days

1 days = 24 hours

1 hour = 60 minute

1 minute = 60 second

Lesson 6 :

Story problems with mixed numbers :

Yassin took $1 \frac{1}{4}$ hours to draw house and $1 \frac{1}{2}$ to draw garden

How much time did he take in all ?

Asser studied Math for $2 \frac{1}{4}$ hours and English for $1 \frac{1}{5}$ hours

How many hours did he study in all ?

Unit 9

Lesson 1

Multiplying fraction or mixed number by whole number :

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

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

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

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

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

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

$$\frac{3}{11} \times 11 =$$

$$3\frac{1}{3} = \quad \text{as improper fraction}$$

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

Lesson 2 & 3 :

Multiply then simplify

$$\frac{1}{2} \times \frac{2}{8} =$$

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

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

$$\frac{2}{9} \times \frac{3}{8} =$$

$$\frac{1}{2} \times \frac{2}{12} =$$

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

$$\frac{5}{3} \times \frac{9}{20} =$$

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

$$\frac{4}{7} \times \frac{14}{8} =$$

Lesson 4 & 5 :

Multiplying fraction and mixed numbers :

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

$$8\frac{3}{4} \times \frac{2}{5} =$$

$$\frac{1}{2} \times \frac{2}{8} =$$

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

$$\frac{3}{4} \times 1\frac{2}{8} =$$

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

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

$$5\frac{2}{7} \times 1\frac{1}{2} =$$

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

Story problems involving multiplication of fractions :

1) Amr bought $2\frac{1}{3}$ liters of water for $\frac{3}{4}$ L.E. for each liter.

How much money did amr pay?

.....
.....

2) Ahmed earn $5\frac{2}{3}$ L.E. for an hour .He works 3 hours per day.

How much money does he earn per day ?

.....
.....

3) Farida eat $\frac{2}{7}$ of 21 candies . How many candies are left?

.....
.....

Lesson 7

Write each of the following as mixed number :

$$1) 16 \div 7 = 2 \frac{\dots\dots\dots}{7}$$

$$2) 17 \div 5 = \dots\dots\dots$$

$$3) 15 \div 7 = \dots\dots\dots$$

$$4) 13 \div 5 = \dots\dots\dots$$

$$5) 12 \div 8 = \dots\dots\dots$$

$$6) 19 \div 10 = \dots\dots\dots$$

$$7) 11 \div 3 = \dots\dots\dots$$

$$8) 10 \div 9 = \dots\dots\dots$$

Lessons 8 & 9

Evaluate each of the following:

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

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

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

4) $7 \div \frac{1}{3} = \dots\dots\dots$

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

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

7) $7 \div \frac{1}{6} = \dots\dots\dots$

8) $2 \div \frac{1}{11} = \dots\dots\dots$

9) $100 \div \frac{1}{5} = \dots\dots\dots$

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

Unit 10

Lesson 1

Complete :

- 1) The angle of measure less than 90 is angle .
- 2) The angle of measure = 90 is angle .
- 3) The angle of measure more than 90 is angle .
- 4) The angle of measure =180 is angle .
- 5) The shape with 3 sides called
- 6) The shape with 4 sides called
- 7) The shape with 5 sides called
- 8) The shape with 6 sides called
- 9) The shape with 7 sides called
- 10) The shape with 8 sides called
- 11) The parallogram with right angles called
- 12) The parallogram with 4 similar sides called

Lesson 2 :

Remember the any triangle has 3 sides , 3 angles = 180 degrees

Determine the type of each of the following according to angles:

- a) $m(\angle a)=30$, $m(\angle b)=90$, $m(\angle c)=60$ -angled triangle.
- b) $m(\angle a)=40$, $m(\angle b)=70$, $m(\angle c)=70$ -angled triangle.
- c) $m(\angle a)=30$, $m(\angle b)=40$, $m(\angle c)=110$ -angled triangle.
- d) $m(\angle a)=45$, $m(\angle b)=45$, $m(\angle c)=90$ -angled triangle.
- e) $m(\angle a)=32$, $m(\angle b)=68$, $m(\angle c)=80$ -angled triangle.

Determine the type of each of the following according to sides:

- a) $AB= 6$ cm , $Bc= 5$ cm , $AC = 6$ cm triangle .
- b) $AB= 8$ cm , $Bc= 5$ cm , $AC = 9$ cm triangle .
- c) $AB= 10$ cm , $Bc= 10$ cm , $AC = 10$ cm triangle .
- d) $AB= 4$ cm , $Bc= 5$ cm , $AC = 3$ cm triangle .
- e) $AB= 9$ cm , $Bc= 9$ cm , $AC = 6$ cm triangle .

Lesson 3 & 4:

Length = 7 cm

Width = 3 cm

Find area =

Length = 5 cm

Width = $4\frac{1}{2}$ cm

Find area =

Length = $4\frac{1}{2}$ cm

Width = 3 cm

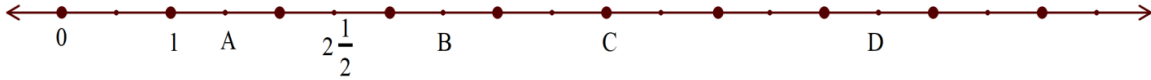
Find area =

Length = $6\frac{1}{2}$ cm

Width = $3\frac{1}{2}$ cm

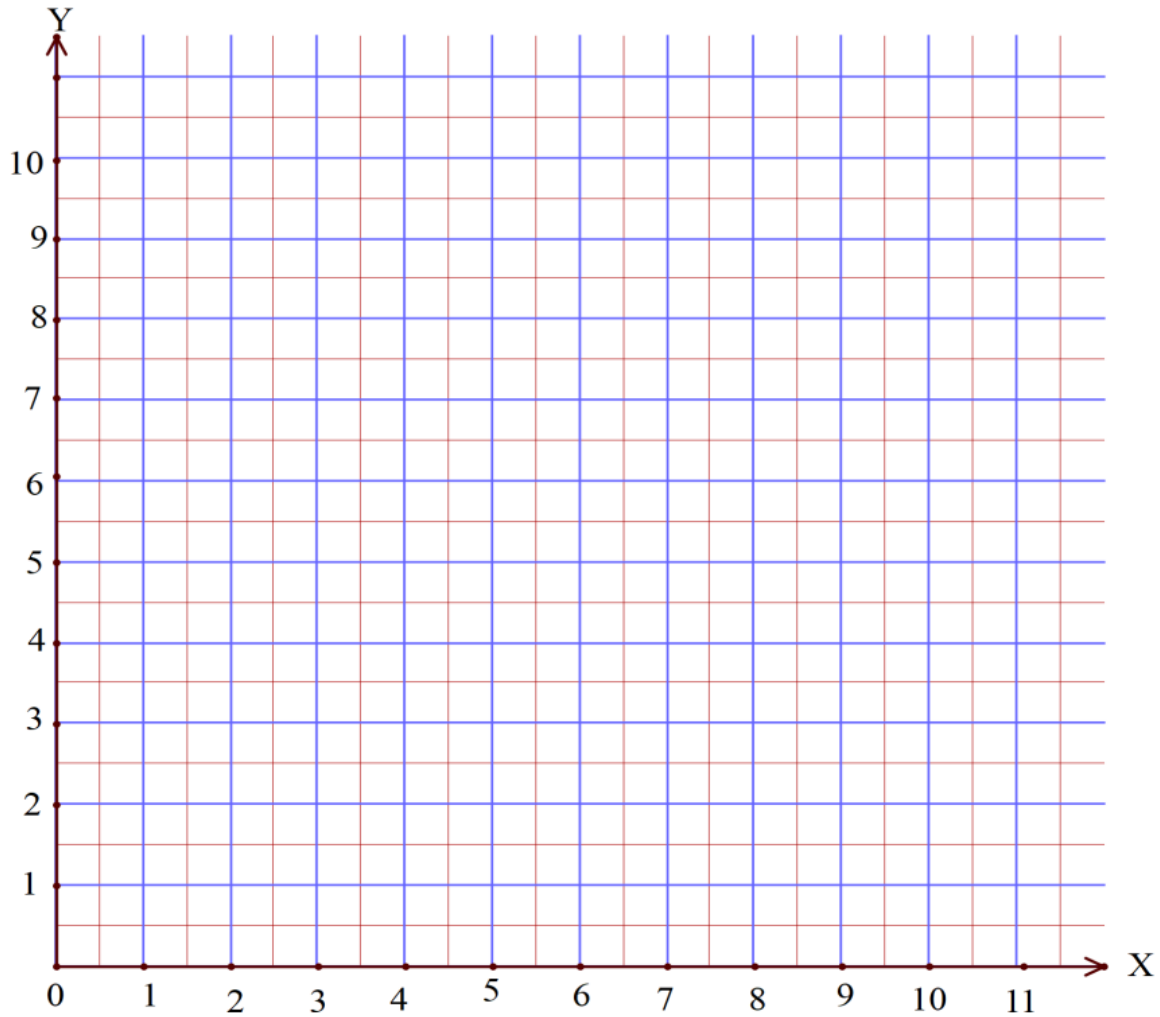
Find area =

Lesson 5 - 7 :



Use the number line to answer the questions:

- Ⓐ What is the value of each space between the hash marks ?
- Ⓑ What is the value of A ?
- Ⓒ What is the value of B ?
- Ⓓ What is the value of C ?
- Ⓔ What is the value of D ?
- f) find the length of CB ?
- g) find the length of AB ?
- k) find the length of AD ?



Plot the following points on the coordinate plane :

E (2 , 3)

N (1 , 5)

Z (8 , 2)

H (9 , 7)

V (6 , 0)

S (0 , 4)

K (4 , 3)

O (4 , 3)

M (5 , 9)

H (9 , 5)

Lesson 9

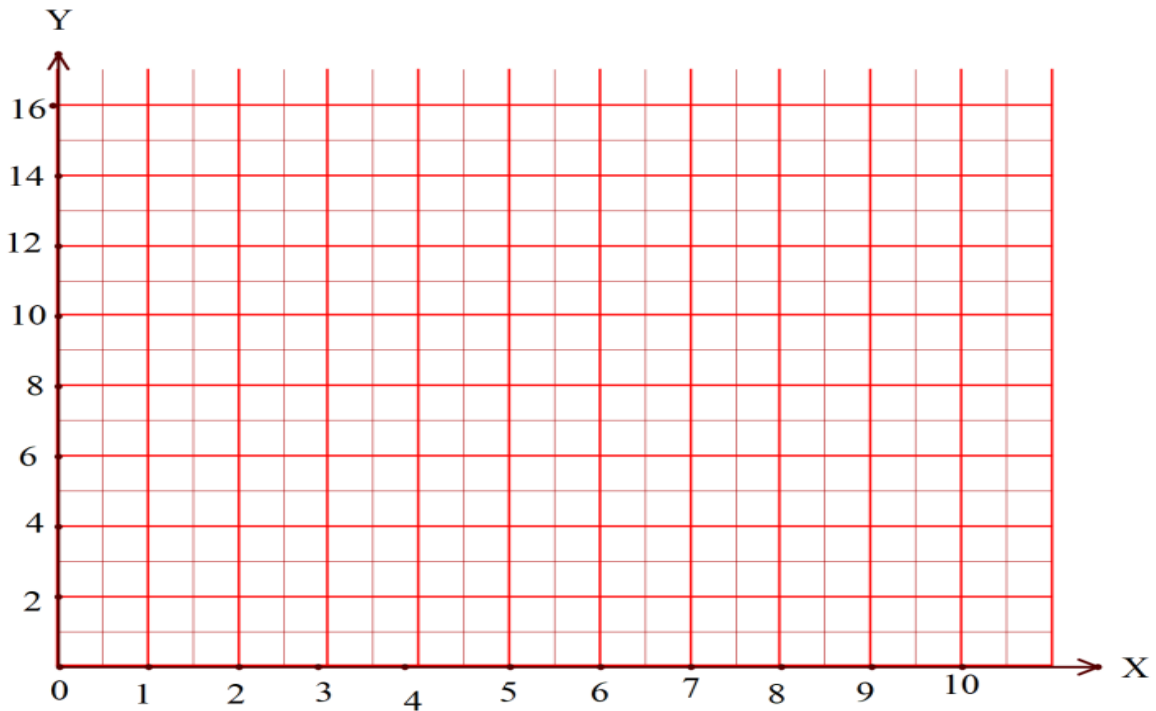
Use the ordered pairs to fill in the tables :

A(1,3) , G(2,6) , H (3,9) , K(4,12) , f(5,15) ,
n(6,18)

X Value	1	.....	.....	.....	.....	.....
Y value	3	.....	.....	.....	.....	.....

Extend the following table and represent it on the coordinate plane

X Value	1	2	3	.....	.....	.....
Y value	1	2	3	.....	.....	.....



Unit 11 (lesson 1)

Choose :

1) the rectangular prsm is a dimensional shape.

a)one b)two c) three d) fourth

2)the cube hasface(s) a)12 b) 6 c)0 d) 8

3) the number of edges of the cube is

a)5 b)6 c) 3 d) 12

4)the shape which as 0 faces, 0 edges and 0 vertices is

a) cube b) cone c) sphere d) pyramid

5) which of the following has 8 vertices ?

a)sphere b) rectangular prism c) square pyramid d) cone

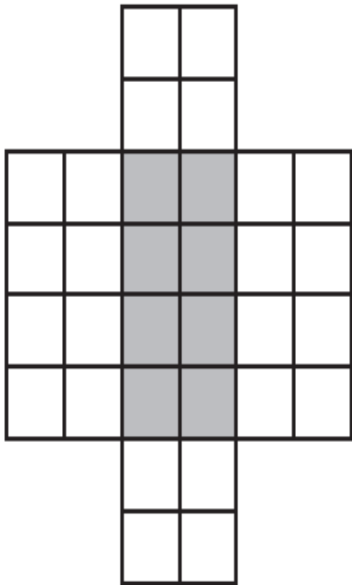
6) the sphere has edge(s) a)3 b) 2 c) 1 d) 0

7) the cylinder has base(s)

a) 0 b) 1 c) 2 d) 3

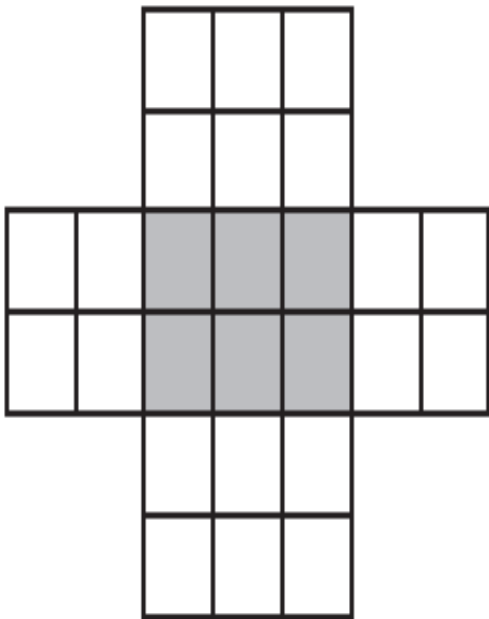
lesson 2,3

ex: use the centimeter cubes to estimate and measure the volume



Estimated volume: _____ cubic centimeters

Actual volume: _____ cubic centimeters



Estimated volume:

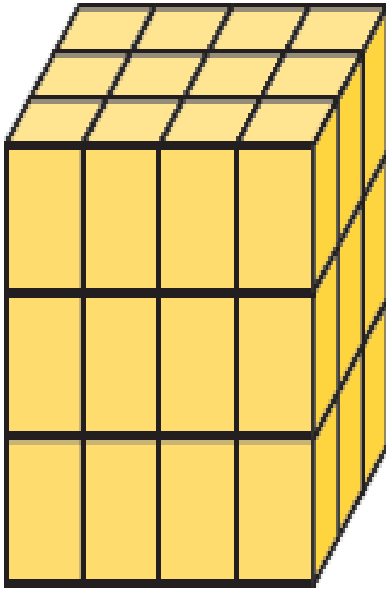
_____ cubic centimeters

Actual volume:

_____ cubic centimeters

Lesson 4-6

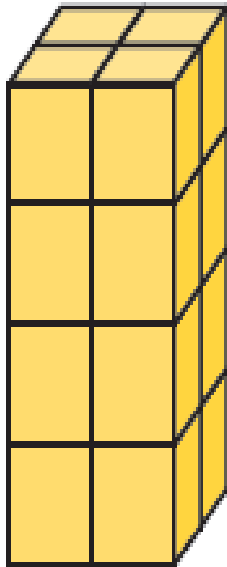
Write the dimensions of the rectangular prism. Each cube is 1 centimeter.



Length: _____ cm

Width: _____ cm

Height: _____ cm



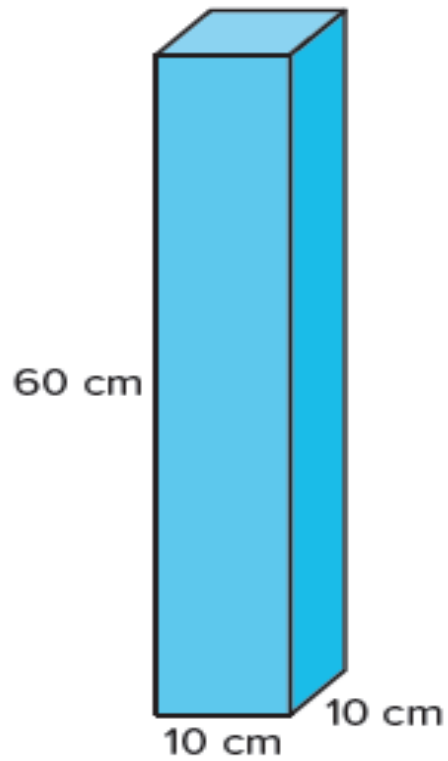
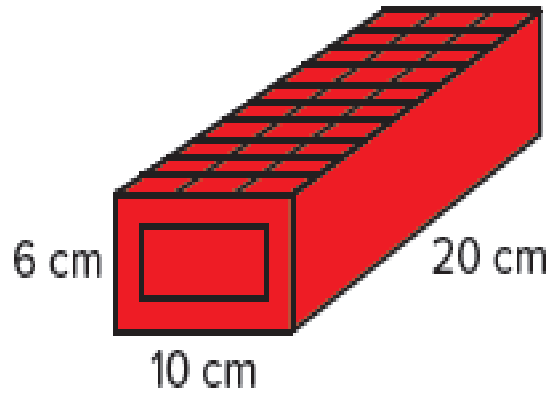
Length: _____ cm

Width: _____ cm

Height: _____ cm

Volume: _____ cm^3

Write the equation could be used to find the volume.



Lesson 7

1) Omar built a planter box for his backyard. The length of the planter box was 200 centimeters. The width was 80 cm, and the height of the box was 95 .Omar poured soil into the box up to the 100 cm height line. What is the volume of the planter box? What the volume of the soil?

2) Remas built a tower using centimeter cubes. The area of the base of her tower is 14 square centimeters. The tower is 12 cm tall.

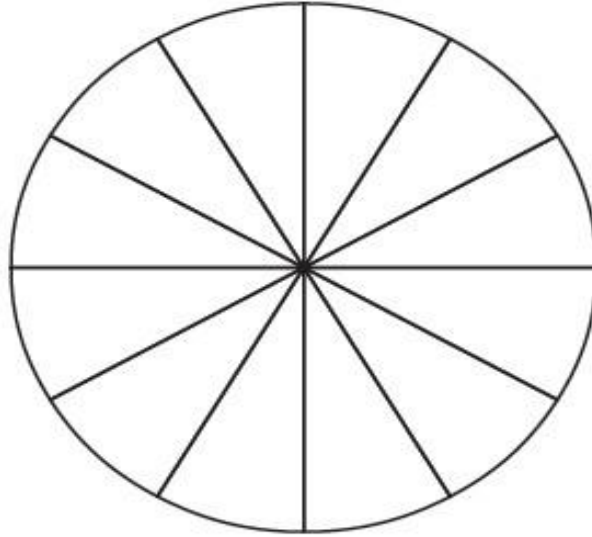
a. What could her tower look like?

b. How many centimeter cubes did Remas use? Record an equation.

(Unit 12) lesson 1,2,3

Shade $\frac{1}{2}$ of the circle red. Shade $\frac{1}{4}$ of the circle blue. Shade $\frac{1}{12}$ yellow.

Shade $\frac{1}{6}$ green.



If this pie chart represents 24 students surveyed, how many students does the red section represent?

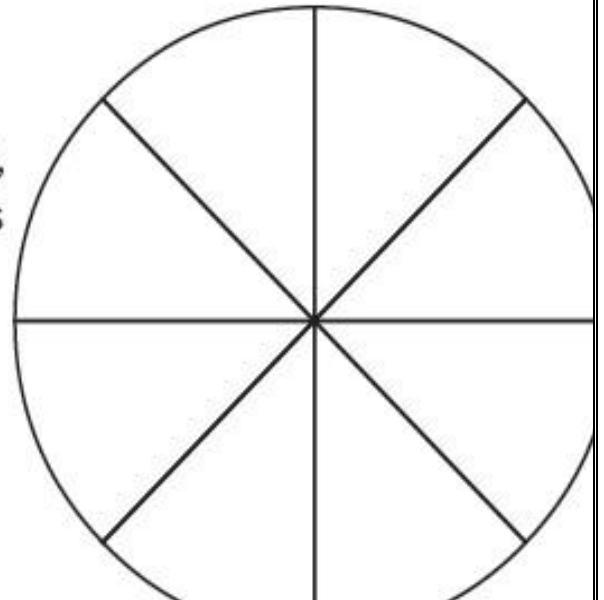
If this pie chart represents 24 students surveyed, how many students does the blue section represent?

What decimal of the group is blue?

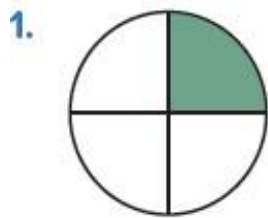
Shade in $\frac{3}{4}$ of the circle green, $\frac{1}{8}$ of the circle blue, and $\frac{1}{8}$ of the circle red.

If this pie chart represents 40 students surveyed, how many students do the red and blue sections represent?

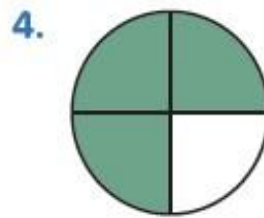
What decimal of the group is green?



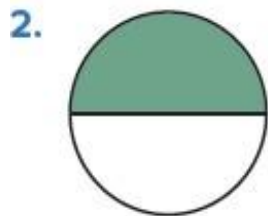
Fractions of a Circle and Circular Degrees For each task, select the circular degrees that match the fraction of the circle that is shaded. A circle has 360 degrees.



- A. 180° C. 60°
B. 45° D. 90°



- A. 60° C. 150°
B. 270° D. 120°



- A. 180° C. 120°
B. 90° D. 45°



- A. 45° C. 30°
B. 60° D. 90°



- A. 50° C. 60°
B. 120° D. 30°