Summer Crash Course in

Math Language

Academic Year 2015-2016

Semester (1) Exam Review Worksheet

Mathematics, Grade 5

Topics Covered in the Exam:

- ***The big numbers (billions):*** expanded form, word form and standard form of a number.
- ***The value*** of any underlined digit in a number.
- ***Comparing, ordering and rounding*** to the nearest given place.
- ***Multiplying*** 3 by 3-digit numbers.
- ***Particular calculations:*** multiplying and dividing by multiples of 10 (refer to pages 20 and 22 on the book and refer to the math copybook)
- ***Word-problems:*** problems 1, 3, 4, 6 and 7 pages 24 and 25.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:

Multiply (show your work).

345× 122	202×12

Question 2:

Multiply or divide mentally.

a) 20 × 2000 = _____

b) 40 × 400 = _____

c) 5 × 50 = _____

d) 250 ÷ 50 = _____

e) 3000 ÷ 600 = _____

f) 490 ÷ 7 = _____

Question 3:

Problem 1:

A soup company ordered 2 shipments of carrots. There were 50,000 carrots in each shipment. How many carrots did the company order in all?

_____

_____

Problem 2:

Sam delivers 405 newspapers in a day. How many newspapers does he deliver in 25 days?

_____

_____

Question 4:

Circle the correct answer.

1) The word form of 2,002,200 is
    a) Two million, two thousand, two
    b) Two million, two thousand, two hundred
    c) Two million, two hundred thousand, two hundred

2) The standard form of three million, three hundred thousand, two hundred
    a) 3,300,002
    b) 3,003,200
    c) 3,300,200

3) 78,002,911 rounded to the nearest thousands is
    a) 78,003,000
    b) 78,002,000

Question 5:

Two federal government organizations are active in putting out wildfires. The table shows how much money each organization spent during three different years of fighting wildfires.

Money Spent Fighting Wildfires

	1998	2000	2002
Fish and Wildlife Service	$3,800,000	$9,417,000	$15,245,000
National Park Service	$19,183,000	$53,341,000	$66,094,000

1) Write in word form the number of dollars the Fish and Wildlife Service spent on putting out wildfires in the year 2000.

   _____

2) Write in expanded form the number of dollars the National Park Service spent on putting out wildfires in 2002.

   _____

3) Arrange the number of dollars the National Park Service spent on putting out wildfires in 1998, 2000 and 2002 from the greatest to the least.

   _____

Weekly Review Worksheet

Mathematics, Grade 5, Week 3
(Semester 2)

Topics covered this week	Topics planned for next week
- Subtraction decimal numbers. - Students solved word problems.	- Multiplication of decimal numbers.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:

Add or subtract (show your work).

178 – 56.54	67.977 + 123

Question 2:

Calculate the sum mentally.

a) 6 + 0.8 = _____.

b) 6.3 + 0.7 = _____.

c) 0.3 + 0.7 = _____.

d) 0.25 + 0.75 = _____.

Question 3:

Order the following numbers in ascending order.

a) 0.876 ; 1.87 ; 0.977 ; 12.787

_____

b) 0.2 ; 2.002 ; 0.202 ; 0.02

_____

Question 4:

Problem solving

Problem 1:

Candice had 0.31 grams of pepper. Then she used 0.12 grams of the pepper to make some scrambled eggs. How much pepper does Candice have left?

_____

_____

_____

Problem 2:

Alex weighed two buckets of sand for a geology project. The first bucket weighed 7.1 pounds. The other bucket weighed 7.6 pounds. How much do the two buckets of sand weigh all together?

_____

_____

_____

Weekly Review Worksheet

Mathematics, Grade 5, Week 5
(Semester 2)

Topics covered this week	Topics planned for next week
- Multiplication of decimals. - Definition of a point, straight line, line segment, semi-straight line (ray). Refer to the worksheet of definitions in the file. - Midpoint of a line segment. - Collinear points. - Intersecting lines, parallel lines, and perpendicular lines (refer to the sheet of definitions in the file).	- Distance between two parallel straight lines. - Diameter of a circle.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:
Add, subtract, or multiply.

123.65 + 24.08	234.76 – 122.2	234.1 × 23.23
345.7 × 65.23	0.876 × 23.5	0.003 × 0.2
239 – 34.5	45.6 + 87.3	0.23 + 13.51

Question 2:

Calculate mentally.

a) 1.23 + _____ = 2

b) 0.24 + _____ = 1

c) 2.9 + _____ = 3

d) 6.1 + _____ = 7

Question 3:

Draw

(AC) intersecting (MS) at F	[BD], where BD= 6 cm and its midpoint K
A, B, and D collinear points	[CD] $\perp$ [BR] at J
(GH) // (TW)	[RF) intersecting (ON)

Weekly Review Worksheet

Mathematics, Grade 5, Week 6
(Semester 2)

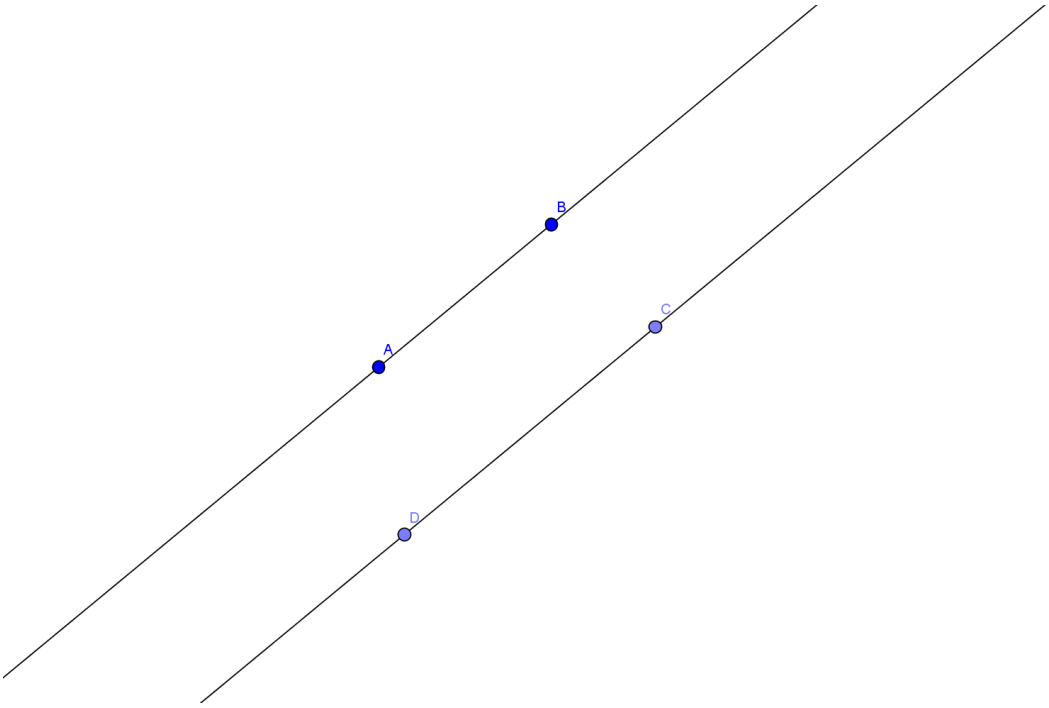
Topics covered this week	Topics planned for next week
- Students practiced how to draw two perpendicular lines using a set square. - Distance between two parallel lines (refer to page 34, activity 1 and activity 2).	- Diameter of a circle.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:

Given (AB) // (CD)



a) What is the distance between (AB) and (CD)? _____

b) Draw (MN) ⊥ (AB) at F.

Question 2:

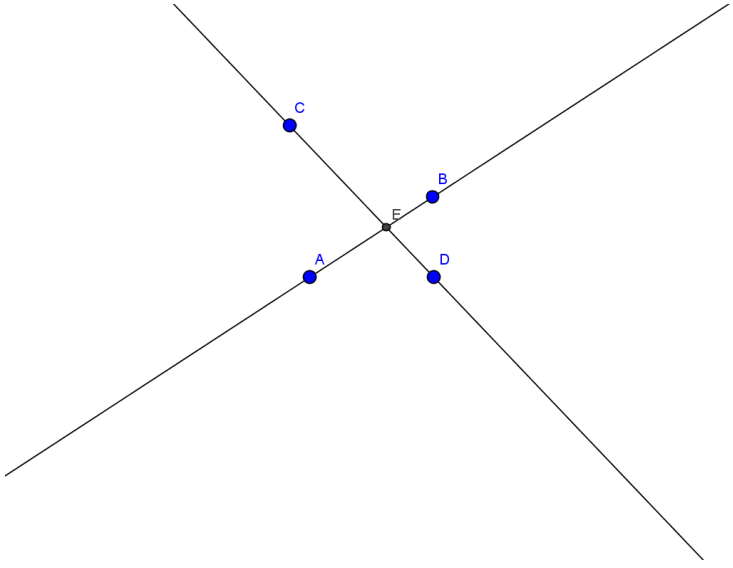
Draw.

(AB) // (CD)	(EF) ⊥ (GH) at R
[KJ] intersects (SM) at P	[XY) ⊥ (DM)

Question 3:

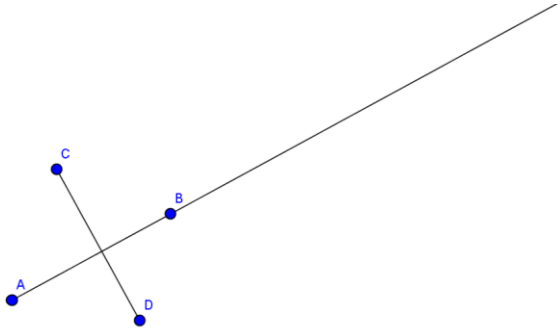
Write what you see in the following figures.

a)



_____

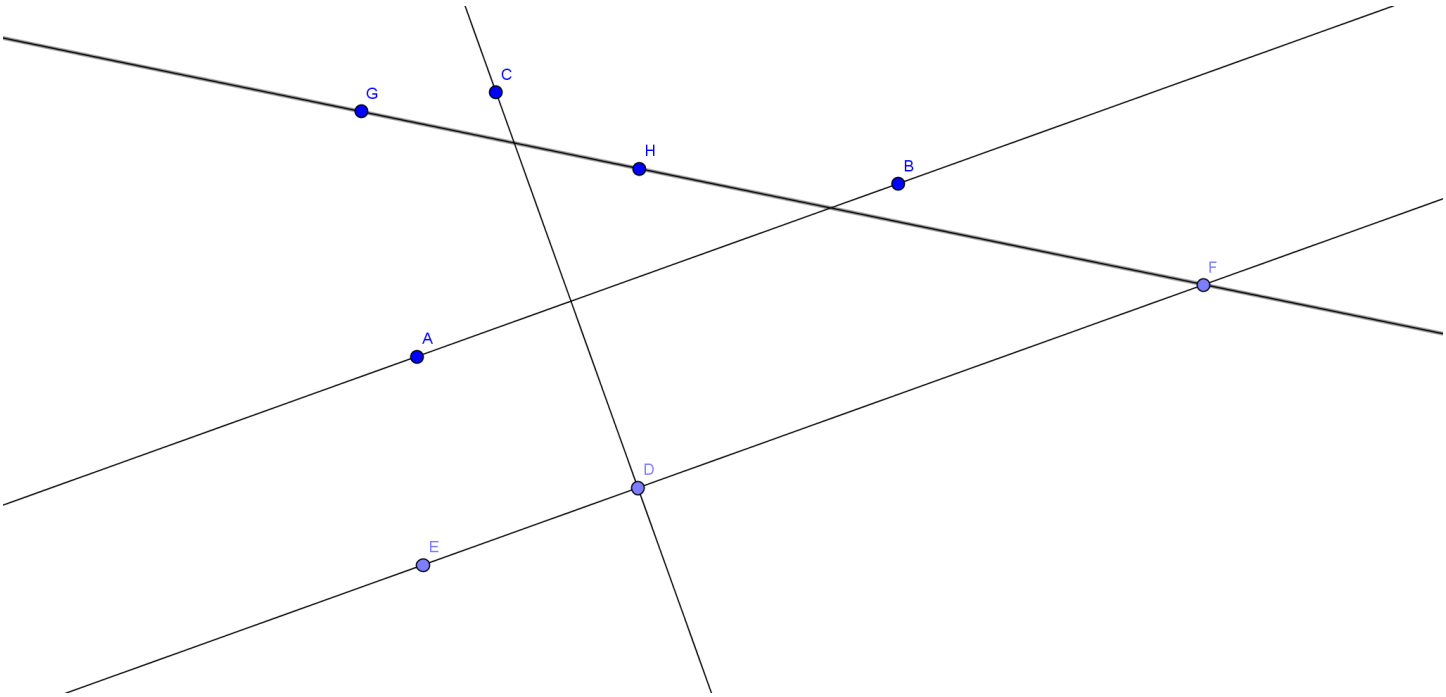
b)



_____

Question 4:

Use the figure below to complete the following sentences



a) Name three collinear points _____.

b) Name two perpendicular lines _____.

c) Name two parallel lines _____.

d) Name three non-collinear points _____.

e) Name two segments _____.

f) Name two straight lines _____.

g) Name a point _____.

h) Name two intersecting lines _____.

i) Name a straight line passing through D _____.

Weekly Review Worksheet

Mathematics, Grade 5, Week 1
(Semester 3)

Topics covered this week	Topics planned for next week
- Students learned the definition of an angle and the types of angles. - Students learned how to use the protractor to measure an angle. - Students learned how to draw an angle with a given measure. - Refer to pages 107, 108.	- Parallelogram, rectangle, square, rhombus, and trapezoid.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:

Divide (showing your work) and then check your answer.

5675 ÷ 16	7682 ÷ 12	456 ÷ 13

Question 2:

a) Calculate the perimeter of a square ABCD of sides AB=BC=CD=DA= 4.5 cm.

b) Calculate the perimeter of a rectangle ABCD, where AB = CD = 5 cm and BC = AD = 2.5 cm.

c) Calculate the perimeter of circle (C) of diameter d = 3 cm.

d) Calculate the perimeter of circle (C) of radius r = 2 cm.

e) The perimeter P of a square is 28 cm, find the length of its side a.

f) The perimeter P of a rectangle is 16 cm, its length L= 6 cm. Calculate its width W.

Question 3:

Fill in the blanks.

a) An acute angle has a measure between _____ and _____.

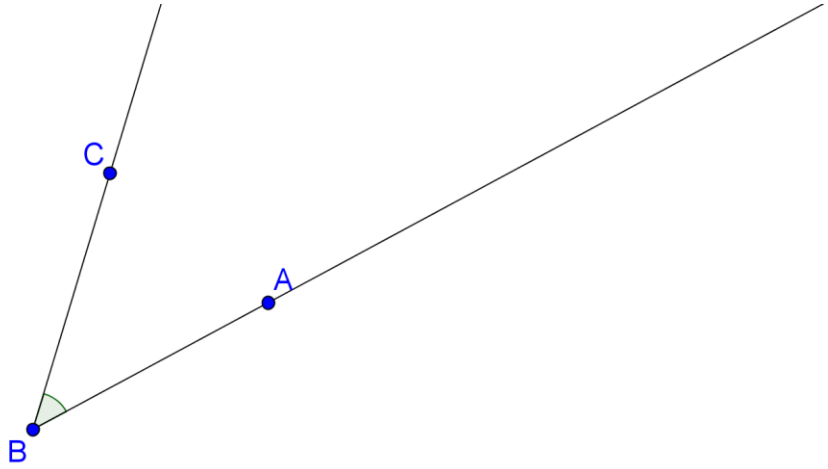
b) A _____ angle has a measure of 90°.

c) An _____ angle has a measure between 90° and 180°.

d) A null angle has a measure of _____.

Question 4:

Take the measure of each angle and deduce its type (acute, obtuse, straight, right, or null).



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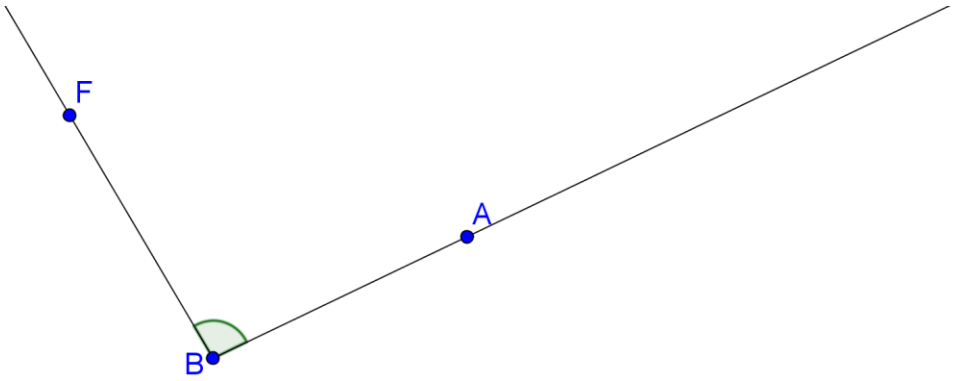

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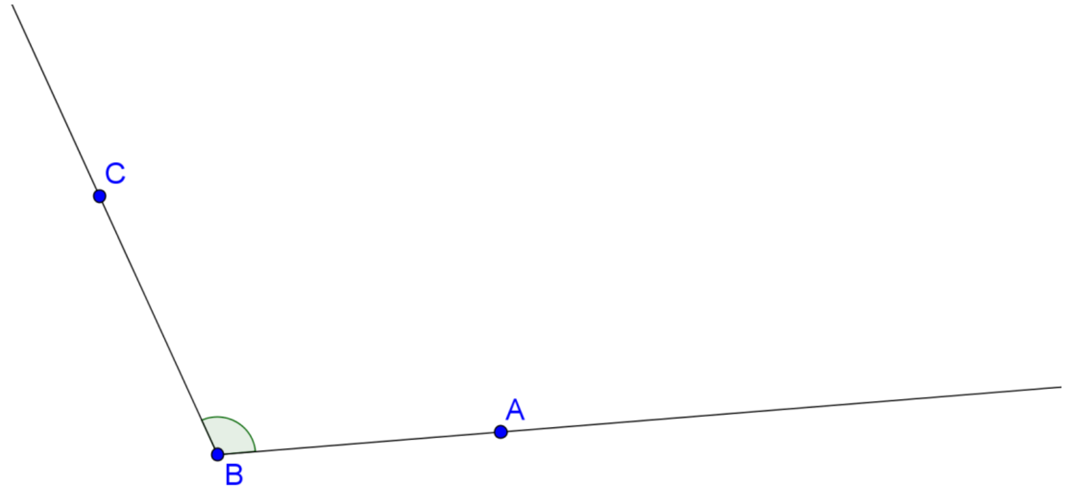

C
A
B

Weekly Review Worksheet

Mathematics, Grade 5, Week 2

(Semester 3)

Topics covered this week	Topics planned for next week
- Students practiced drawing an angle when a measure is given. - Students learned the definition of polygons, quadrilaterals. - Students learned that the parallelogram, square, rhombus, rectangle, and trapezoid are quadrilaterals.	- Properties of a parallelogram, rectangle, square, rhombus, and trapezoid.

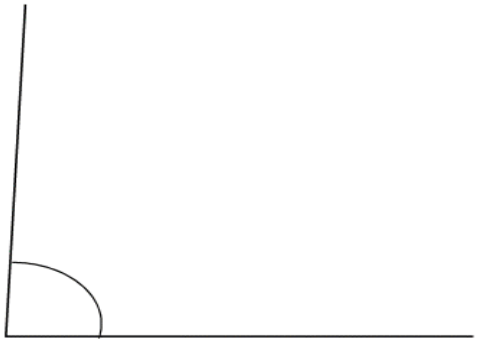
Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

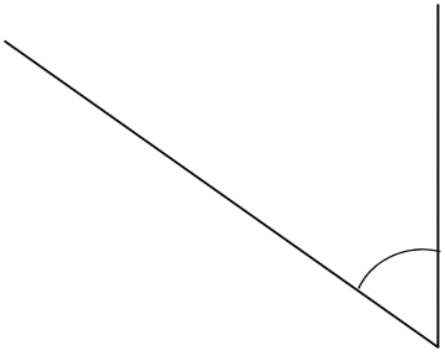
Question 1:

Without taking the measure specify whether the following angles are acute or obtuse.

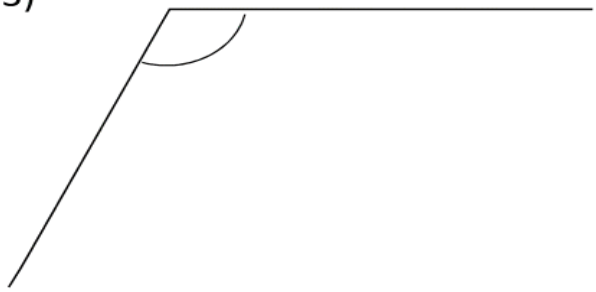
1)



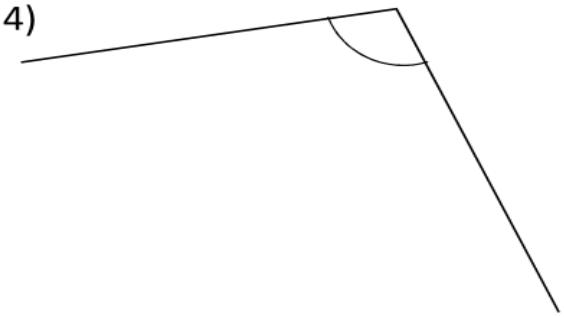
2)



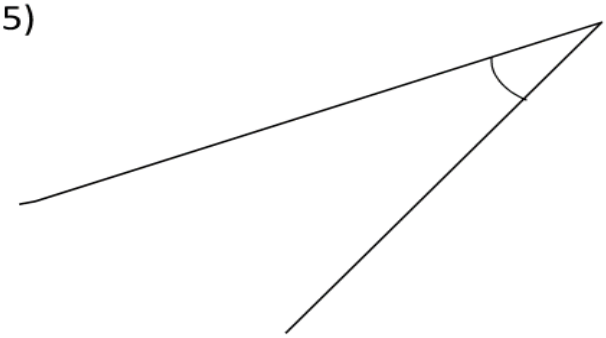
3)



4)



5)



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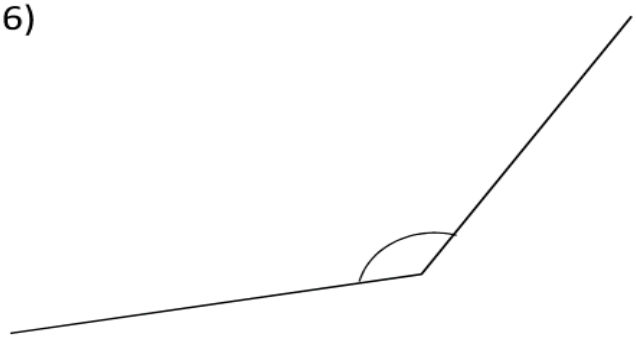
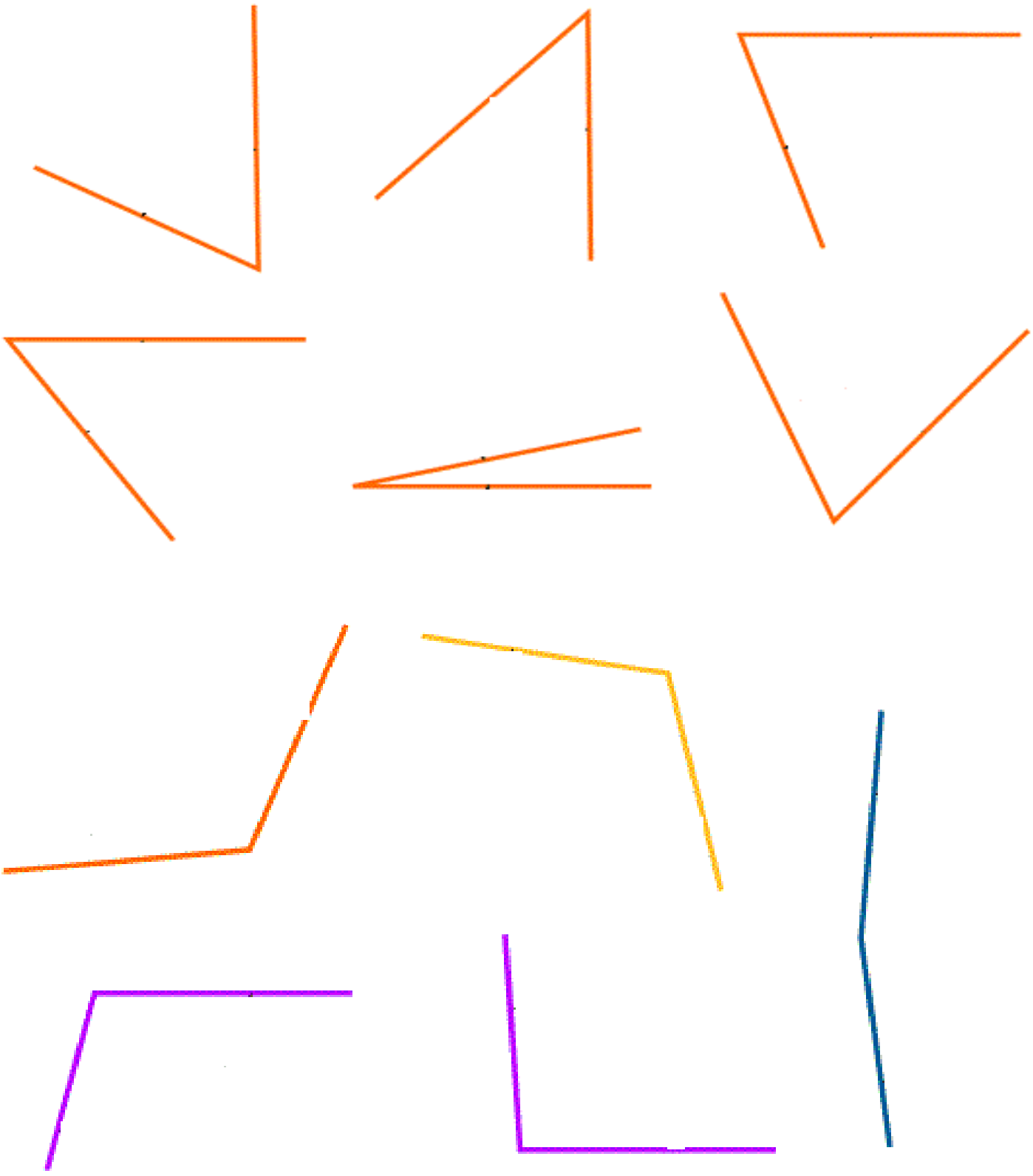


Question 2:

Take the measure of the following angles, and then specify the type of each.



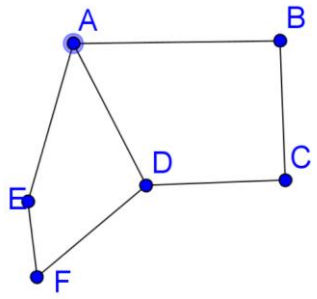
Question 3:

Draw angles of measures: 45°, 134°, 150°, 0°

Question 4:

Complete.

Acute angles	Obtuse angles	Right angles



Weekly Review Worksheet

Mathematics, Grade 5, Week 3
(Semester 3)

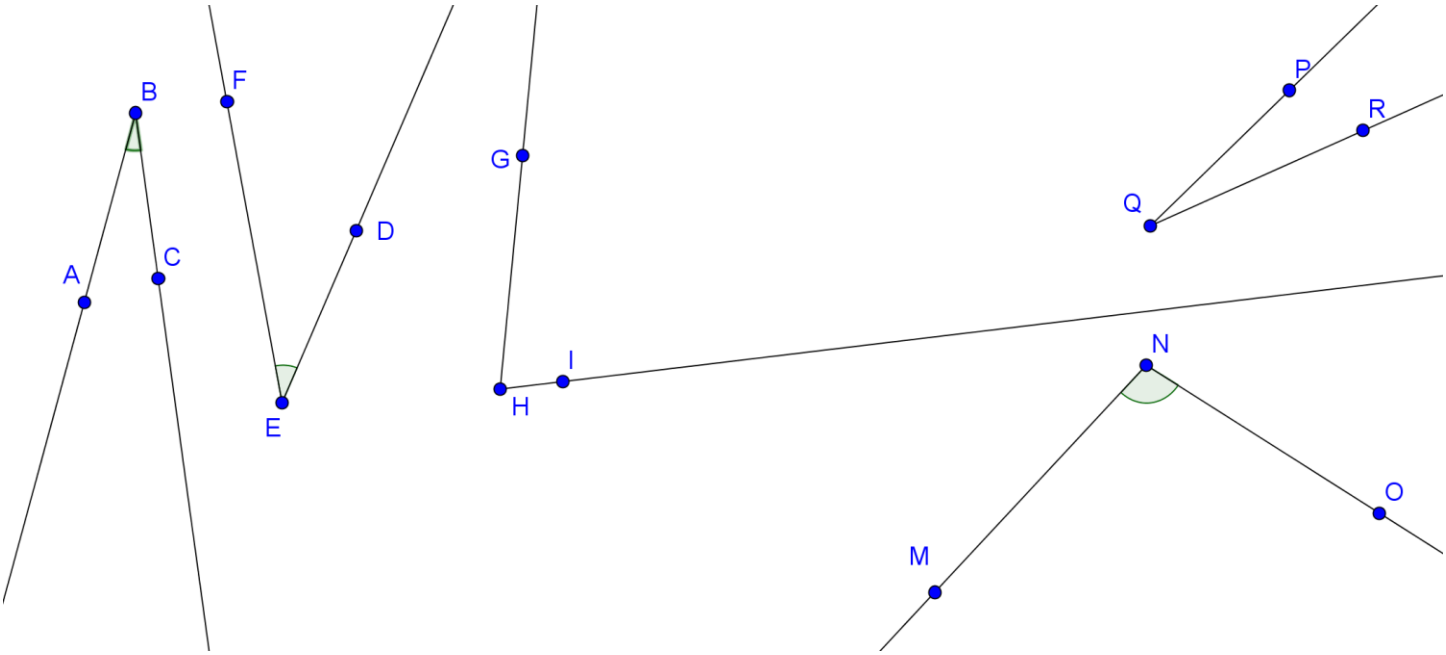
Topics covered this week	Topics planned for next week
- Properties of a parallelogram, rectangle, rhombus, square and trapezoid. - Diagonals of a parallelogram, rectangle, rhombus, square.	- Fractions.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:

Use a protractor to take the measure of the following angles.



$\widehat{ABC}$ = _____

$\widehat{FED}$ = _____

$\widehat{GHI}$ = _____

$\widehat{PQR}$ = _____

$\widehat{MNO}$ = _____

Question 2:

Construct a rectangle of 5 cm diagonals.

Question 3:

Construct a rhombus of diagonals AB = 7 cm and CD = 4 cm.

Question 4:

Complete.

a) The diagonals of a _____ intersect in their midpoint.

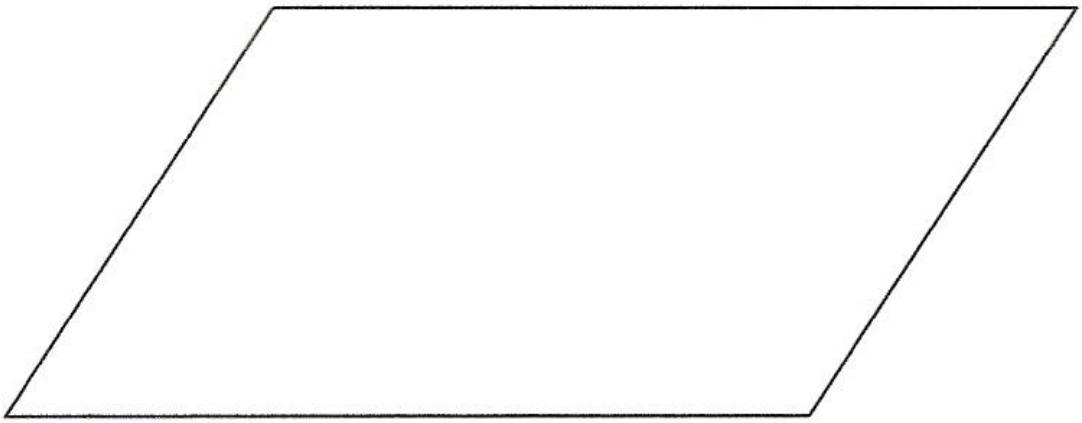
b) The diagonals of a _____ intersect in their midpoint and have same length.

c) The diagonals of a _____ intersect in their midpoint, have same length and are perpendicular.

d) The diagonals of a rhombus intersect in their midpoint and are _____.

Question 5:

Given a parallelogram ABCD, put all the remarks.



Weekly Review Worksheet

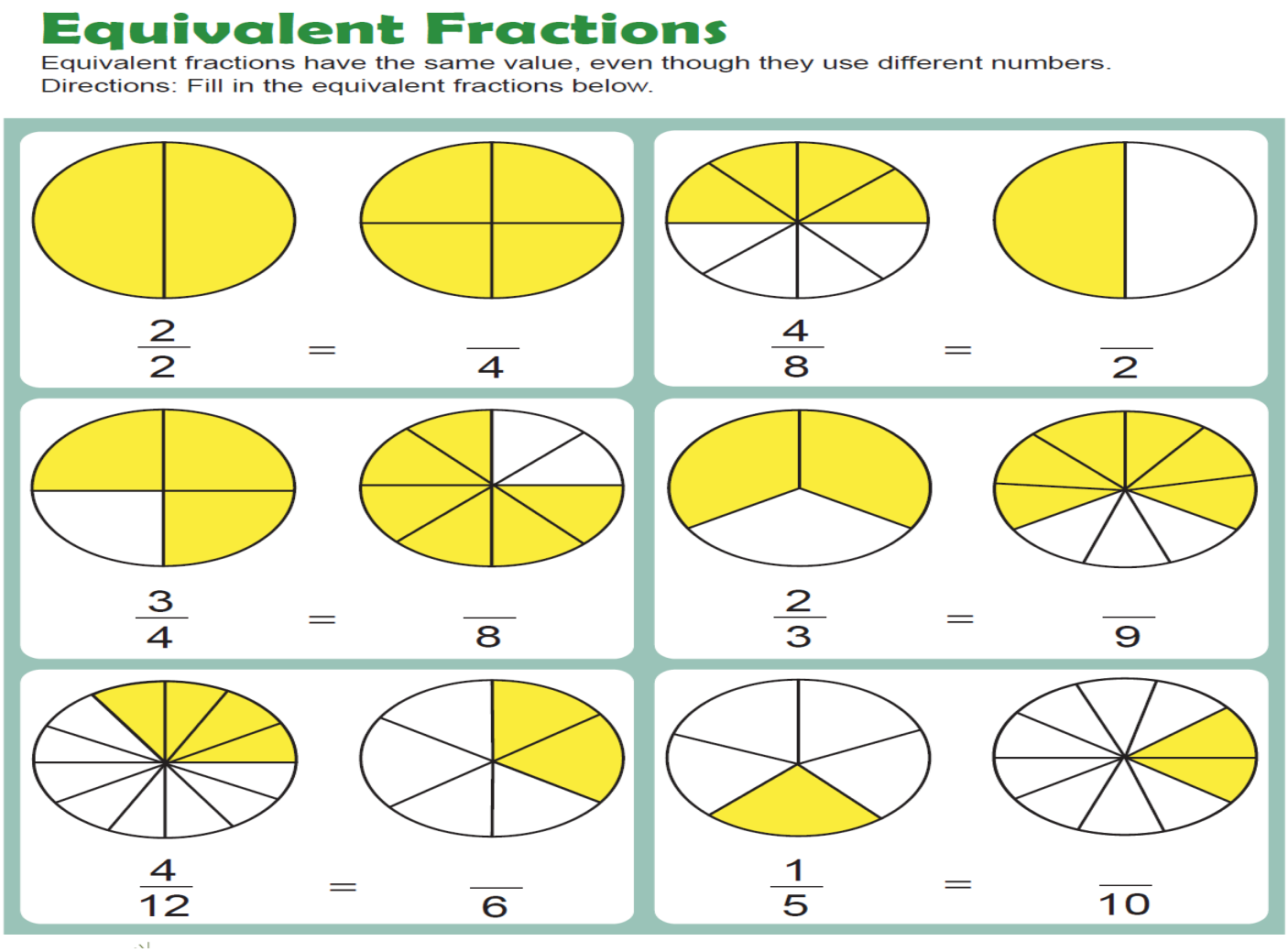
Mathematics, Grade 5, Week 4
(Semester 3)

Topics covered this week	Topics planned for next week
- Equal parts. Refer to page 81. - Multiple of a fraction. Refer to pages 82, 83. - Equivalent fractions. Refer to page 85.	- Fractions of a number.

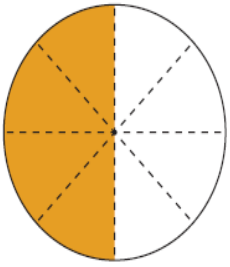
Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

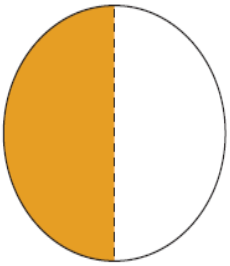
Question 1:



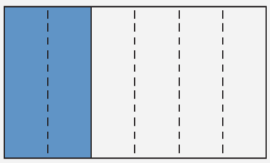
Write the equivalent fraction for each figure.



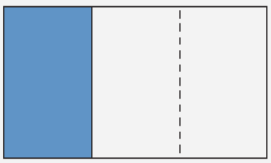
$\frac{4}{8}$



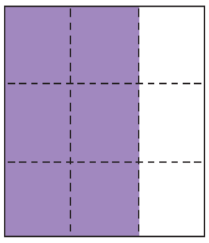
$\frac{\square}{\square}$



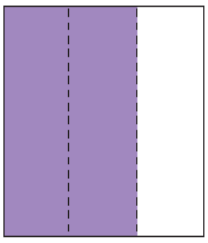
$\frac{2}{6}$



$\frac{\square}{\square}$



$\frac{6}{9}$



$\frac{\square}{\square}$

Question 2:

Write two equivalent fractions of the following given fractions.

a) $\frac{2}{3}$ =

b) $\frac{5}{6}$ =

Question 3:

Complete the boxes so that the two fractions are equivalent.

a) $\frac{2}{4} = \frac{\quad}{40}$

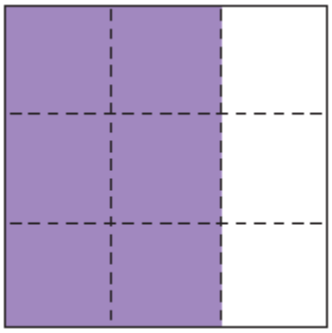
b) $\frac{5}{\quad} = \frac{1}{6}$

c) $\frac{25}{\quad} = \frac{5}{7}$

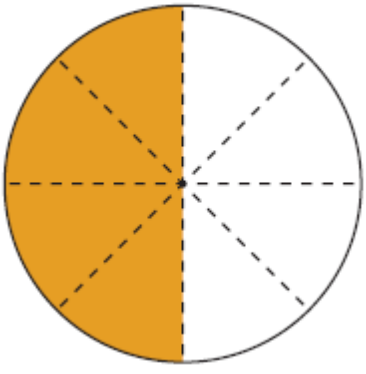
d) $\frac{\quad}{4} = \frac{8}{16}$

Question 4:

Multiple of a fraction.



$\frac{6}{9} =$ $\times \frac{1}{9}$



$\frac{4}{\quad} =$ $\times \frac{\quad}{8}$

Question 5:

Circle the intruder.

a) $\frac{2}{3}$; $\frac{4}{6}$; $\frac{5}{10}$

b) $\frac{22}{33}$; $\frac{5}{20}$; $\frac{2}{3}$

c) $\frac{3}{6}$; $\frac{1}{2}$; $\frac{15}{20}$

Weekly Review Worksheet

Mathematics, Grade 5, Week 5
(Semester 3)

Topics covered this week	Topics planned for next week
- Fraction of a number. Refer to page 88, 89. - Common denominator. Refer to page 91. - Comparison of fractions. Refer to page 92.	- Comparison of fractions. - Mixed numbers.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:

Fractions of a number.

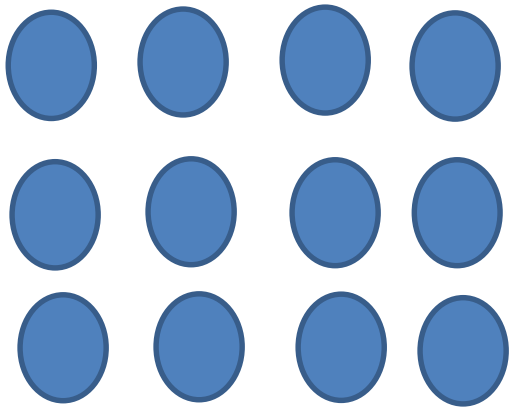
a) What is $\frac{1}{4}$ of 4?

b) What is $\frac{2}{5}$ of 15?

c) What is $\frac{3}{8}$ of 24?

Use the adjacent figure to answer

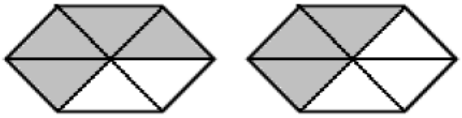
d) What is $\frac{1}{4}$ of 12?



Question 2:

Represent the shaded parts in fraction and write > or < or = for each pair:

1



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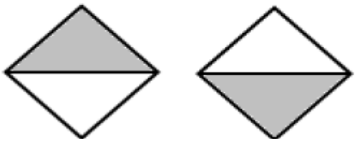

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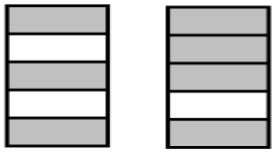

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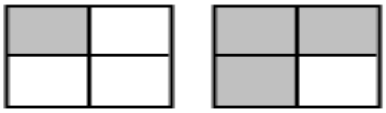
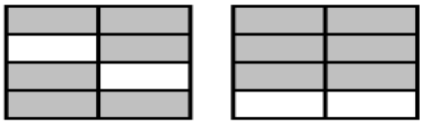


5



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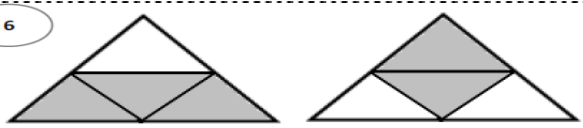


Question 3:

Word problems

Problem 1:

There are 11 people waiting for the train; $\frac{5}{11}$ of them have an umbrella. How many people waiting for the train have an umbrella?

Problem 2:

Travis made 20 sandwiches; $\frac{1}{4}$ of the sandwiches were peanut butter and jelly. How many peanut butter and jelly sandwiches did Travis make?

Question 4:

Complete by the suitable number such that the two fractions are equivalent.

a) $\frac{2}{15} = \frac{\quad}{30}$

b) $\frac{\quad}{18} = \frac{7}{9}$

c) $\frac{\quad}{16} = \frac{4}{8}$

d) $\frac{3}{4} = \frac{9}{\quad}$

Question 5:

Fraction 1	Fraction 2	Common denominator	Fraction equivalent to fraction 1	Fraction equivalent to fraction 2
$\frac{2}{3}$	$\frac{4}{8}$			
$\frac{4}{5}$	$\frac{3}{4}$			
$\frac{3}{25}$	$\frac{4}{5}$			
$\frac{2}{14}$	$\frac{5}{7}$			
$\frac{6}{49}$	$\frac{4}{7}$			
$\frac{6}{36}$	$\frac{5}{6}$			

Question 2:

Question 3:

Question 4:

Question 5:

Semester (3) Exam Review Worksheet

Mathematics, Grade 5

Topics Covered in the Exam:

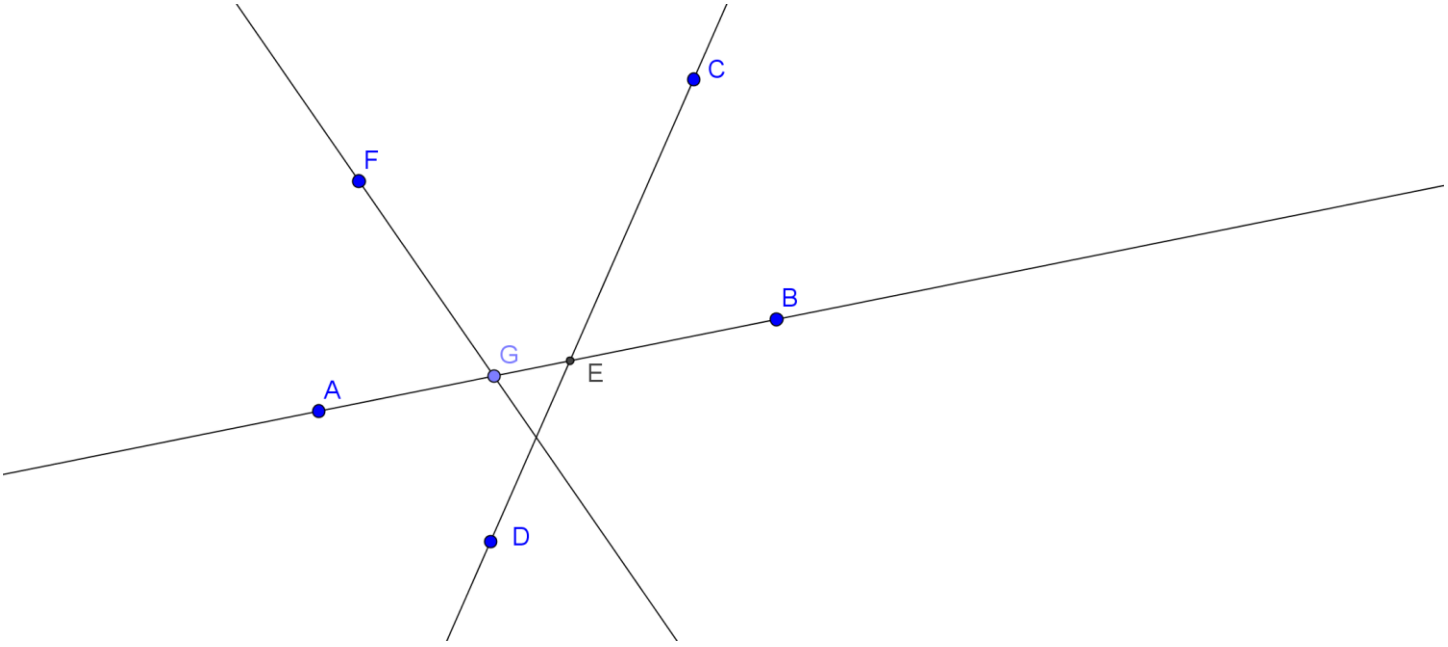
- **Perimeter** of a circle, square, and rectangle. Refer to applications 1, 2, 3, 4 and 5 pages 41, 42.
- **Angles**: types of angles, drawing an angle with a given measure, finding the measure of an angle (using protractor). Refer to applications 1, 2 pages 107 and 108.
- **Quadrilaterals**: parallelogram, rectangle, square, rhombus, trapezoid. Refer to the sheet of properties in the file, and to applications 1, 2, and 3 page 110 and 111.
- **Diagonals**. Refer to applications 2 and 3 pages 114 and 115.
- **Fractions**: equal parts. Refer to applications 1, 2, 3, 4 page 81.
- **Fractions**: multiple of a fraction. Refer to applications 1, 2, 3, and 4 pages 82 and 83.
- **Fractions**: equivalent fractions. Refer to applications 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 pages 85, 86, 87.
- **Fractions** of a number. Refer to applications 1, 2, and 3. Problems 1, 2, 4 pages 88 and 89.
- **Fractions**: common denominator. Refer to applications 1, 2, and 3 pages 90 and 91.
- **Fractions**: comparison of fractions. Refer to activities 1, and 2. Applications 1, 2, 4, 5, and 6 pages 93 and 94.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards. This could be taken as a practice exam.

Question 1: (3 marks)

Use the below figure to complete



a) **Name two acute angles _____.**

b) **Name two obtuse angles _____.**

c) **Name a straight angle _____.**

d) **Name a null angle _____.**

Question 2: **(3 marks)**

Draw the following angles and specify the type of each.

$\widehat{ABC}$ = 37°	$\widehat{DEF}$ = 56°

Question 3: **(3 marks)**

a) **Draw a rectangle ABCD and its diagonal AC= 6 cm.**

Question 4: **(2 marks)**

Draw the diagonals [AC] and [BD] of:

A rhombus	A parallelogram

Question 5: (2 marks)

Calculate.

a) $\frac{2}{3}$ of 210

b) $\frac{2}{5}$ of 250

Question 6: (2 marks, 0.5 marks each)

Complete knowing that the fractions are equivalent.

a) $\frac{2}{3} = \frac{\quad}{36}$

b) $\frac{4}{5} = \frac{\quad}{50}$

c) $\frac{6}{7} = \frac{\quad}{28}$

d) $\frac{12}{14} = \frac{24}{\quad}$

Question 7: (1 mark)

The perimeter P of a square is 44 cm, find the length of its side a.

Question 8: (1 mark, 0.25 marks each)

Complete.

Fraction 1	Fraction 2	Common denominator	Fraction equivalent to fraction 1	Fraction equivalent to fraction 2
$\frac{2}{5}$	$\frac{3}{8}$			
$\frac{4}{5}$	$\frac{2}{3}$			

$\frac{3}{50}$	$\frac{4}{5}$			
$\frac{2}{28}$	$\frac{3}{7}$			

Question 9: **(2 marks)**

Greater Than >, Less Than < or Equal =

Directions: 1. Multiply or divide to find a common denominator.
2. Then compare the numerator.
3. Write >, <, or = in the circle.

$\frac{3}{4}$ ◯ $\frac{1}{4}$ $\quad$ $\frac{5}{7}$ ◯ $\frac{6}{7}$ $\quad$ $\frac{2}{10}$ ◯ $\frac{8}{10}$

$\frac{2}{6}$ ◯ $\frac{2}{3}$ $\quad$ $\frac{1}{2}$ ◯ $\frac{5}{8}$ $\quad$ $\frac{5}{18}$ ◯ $\frac{1}{3}$

$\frac{4}{5}$ ◯ $\frac{22}{25}$ $\quad$ $\frac{5}{6}$ ◯ $\frac{33}{42}$ $\quad$ $\frac{80}{100}$ ◯ $\frac{4}{5}$

Question 10: **(1 mark)**

The neighborhood association has 25 members. One-fifth of them voted for Nolan for president. How many members voted for Nolan?

Weekly Review Worksheet

Mathematics, Grade 5, Week 1

(Semester 4)

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:

Practice your fraction skills by rewriting the following improper fractions as mixed fractions. Be sure to show your work.

$\frac{36}{5}$	$\frac{19}{6}$	$\frac{31}{4}$
$\frac{25}{3}$	$\frac{19}{3}$	$\frac{26}{7}$
$\frac{15}{2}$	$\frac{10}{3}$	$\frac{30}{7}$

Question 2:

Recall: to simplify a fraction, find the GCD between the numerator and denominator.

Example:

$$\frac{10}{15}$$

GCD(10, 15) = 5 ,

then dividethe numerator and denominator by 5.

M A T H
FRACTIONS

Simple Scooter's Simple Fractions

Simple Scooter likes everything around him to be neat and simple. Help him rewrite these fractions in their most simplified form.

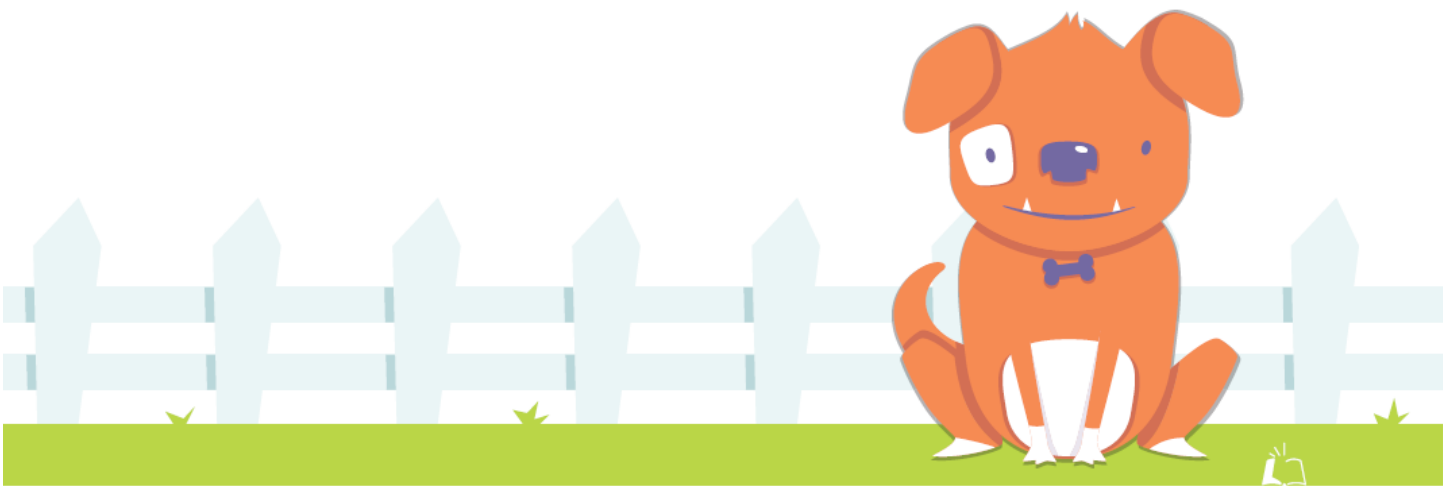
Example:

$$\frac{10}{15} = \frac{2}{3}$$

$$\frac{10 \div 5}{15 \div 5} = \frac{2}{3}$$

$\frac{12}{16} = \_\_$ $\frac{3}{15} = \_\_$ $\frac{8}{10} = \_\_$ $\frac{2}{4} = \_\_$ $\frac{18}{24} = \_\_$

$\frac{14}{21} = \_\_$ $\frac{4}{16} = \_\_$ $\frac{6}{9} = \_\_$ $\frac{7}{28} = \_\_$ $\frac{20}{25} = \_\_$



Question 3:

Mixed Fractions

A mixed fraction, or mixed number, is a whole number and a proper fraction combined. These fractions can also be written as improper fractions.

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

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

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

4) $3\frac{2}{9} =$

5) $9\frac{3}{8} =$

Now using 1), 2), 3), 4) above find the sum in the form of a fraction:

a) $3\frac{1}{4} + 3\frac{2}{9} =$

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b) $5\frac{1}{3} + 2\frac{1}{8} =$

Question 4:

Find the difference or the sum.

1. $\frac{5}{7} - \frac{2}{3} =$ _____

2. $\frac{2}{3} - \frac{3}{8} =$ _____

3. $\frac{6}{7} - \frac{2}{6} =$ _____

4. $\frac{4}{6} - \frac{4}{8} =$ _____

5. $\frac{5}{9} + \frac{1}{2} =$ _____

6. $\frac{9}{12} + \frac{2}{12} =$ _____

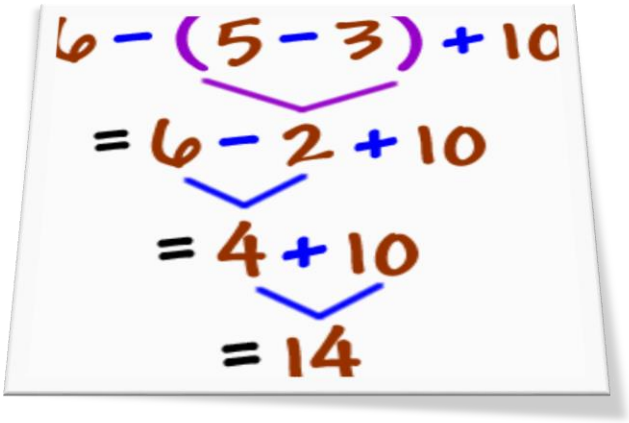
HIGH ACHIEVERS

Project title: **Order of operations (×, ÷, +, and -)**

Discuss the following:

- Definition of a numerical expression.
- Find the order of operations.

Give examples to clarify your idea.



Weekly Review Worksheet

Mathematics, Grade 5, Week 3

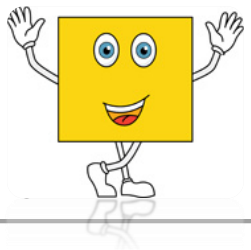
(Semester 4)

Topics covered this week	Topics planned for next week
- Applications related to area and perimeter. - Students learned the area of a right triangle and a disc.	- Multiplication of a decimal number by: 10; 100; 1000; 0.1; 0.01; 0.001. - Division by: 10; 100 and 1000. - Division of decimal numbers.

Practice Questions:

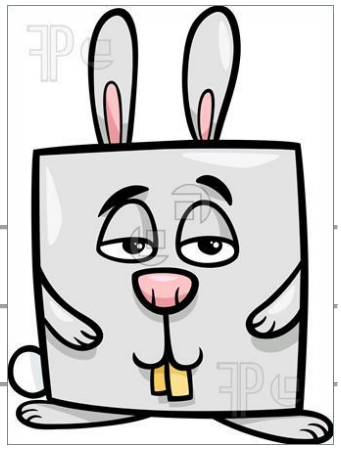
Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:



The area of a square is 49 m^2, find the measure of its side.

Question 2:



Calculate the area of a square of side ***"a",*** where a = 35 mm.

Question 3:

Calculate the perimeter of a rectangle of length "***L"*** and width ***"W"***, where L = 27 mm and W = 15 mm.

Question 4:

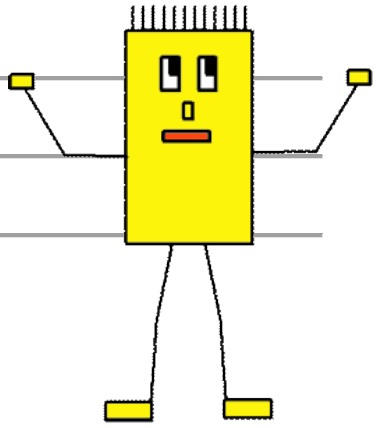
Calculate the perimeter of a square of side ***"a"***, where a = 10 cm.

Question 5:

The perimeter of a square is 100 cm. Find the measure of its side ***"a".***

Question 6:

The perimeter P of a rectangle is 22 cm, its length L = 6 cm. Calculate its width ***W.***

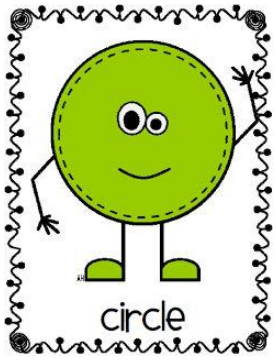


Question 7:

Calculate the area of a right triangle of height h = 7 cm and base b = 5 cm.

Question 8:

a) Draw a circle (C) of center O and radius r = 6 cm.



b) Calculate the area of circle (C).

c) Calculate the perimeter of circle (C).

Weekly Review Worksheet

Mathematics, Grade 5, Week 4

(Semester 4)

Topics covered this week	Topics planned for next week
- Multiplication of a decimal number by: 10; 100; 1000; 0.1; 0.01; 0.001. - Applications related to perimeter and area.	- Division of decimal numbers.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:

Find the area of each of the following rectangles:

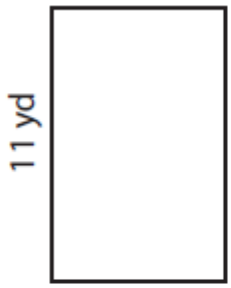
1)

Perimeter = 24 in

Length = _____

Area = _____

2)



Perimeter = 30 yd

Width = _____

Area = _____

3)

Perimeter = 28 cm

Length = _____

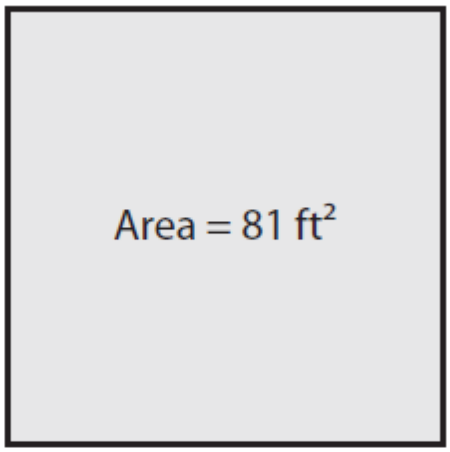
Area = _____

Question 2:

Given the area of each of the following squares.

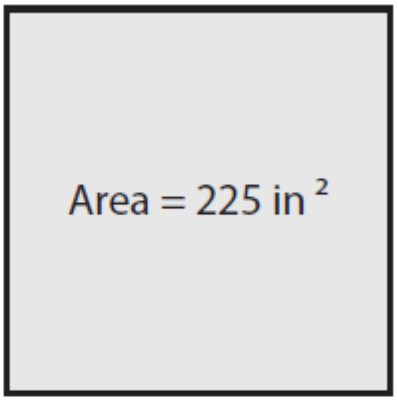
Find the measure of the side of each square.

a)



Side Length =

b)



Side Length =

Question 3:

Calculate mentally:

2 × 0.01 =	765.98 ÷ 0.1 =
3.2 × 1000 =	4.4123 × 1000 =
2.02 × 0.01 =	8.8 ÷ 1000 =
2.09 ÷ 100 =	877.98 ÷ 0.01 =
11.23 ÷ 0.01 =	7.234 × 0.1 =
22.34 ÷ 0.1 =	2.398 ÷ 0.001 =
677.267 × 0.001 =	9.123 ÷ 0.01 =
123.876 ÷ 0.001 =	7.8 × 100 =

Weekly Review Worksheet

Mathematics, Grade 5, Week 5

(Semester 4)

Topics covered this week	Topics planned for next week
- Exact decimal quotient.	- Division of decimals. - Metric system of capacity units.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:

Calculate the exact decimal quotient.

346 ÷ 5	784 ÷ 5	126 ÷ 4	323 ÷ 4
332 ÷ 8	137 ÷ 2	1679 ÷ 5	3425 ÷ 8

Question 2:

Calculate mentally.

$13.7 \times 100 =$	$13.7 \times 0.01 =$
$13.7 \div 0.01 =$	$6.6 \div 0.001 =$
$2.987 \times 1000 =$	$12.7 \times 0.1 =$
$13.09 \div 10 =$	$29.98 \div 100 =$
$23.98 \div 1000 =$	$11.111 \div 0.1 =$
$77.77 \times 0.001 =$	$123.97 \times 100 =$
$298.456 \div 0.10 =$	$2.3 \div 0.001 =$
$12.12 \times 10 =$	$2.2 \div 0.2 =$
$1.6 \div 0.2 =$	$2.4 \div 0.3 =$
$2.4 \div 0.4 =$	$2.5 \div 0.5 =$
$3.6 \div 0.6 =$	$4.4 \div 0.4 =$
$3.2 \div 0.4 =$	$2.7 \div 0.3 =$

Question 3:

a) Find the area of a circle of radius $r = 12$ mm.

b) Find the area of a right triangle of height $h = 2$ cm and base $b = 1.5$ cm.

Weekly Review Worksheet

Mathematics, Grade 5, Week 6

(Semester 4)

Topics covered this week	Topics planned for next week
- Exact decimal quotient. - Length Metric system.	- Metric system of capacity units.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:

Calculate the exact decimal quotient.

254 ÷ 5	683 ÷ 2	225 ÷ 4	333 ÷ 4
442 ÷ 8	339 ÷ 2	2275 ÷ 2	2426 ÷ 8

Question 2:

Convert.

23 km = _____ m.	1.37 cm = _____ mm.
2.5 m = _____ km.	6.6 km = _____ m.
45 mm = _____ cm.	8.45 dam = _____ hm.
20.34 cm = _____ m.	29.76 km = _____ mm.
23.8 hm = _____ dam.	11.132 cm = _____ hm.
77 dm = _____ m.	12.98 dm = _____ dam.

Question 3:

a) Find the area of a square whose side a = 3 m.

b) Find the result in cm.

Question 4:

Write the following fractions as mixed fractions.

a) $\frac{66}{12}$ =_____.

b) $\frac{76}{7}$ = _____.

Weekly Review Worksheet

Mathematics, Grade 5, Week 2

(Semester 4)

Topics covered this week	Topics planned for next week
- Area of a square, rectangle, and right triangle.	- More applications related to area and perimeter. - Area of a disc.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards.

Question 1:

Problem solving

Problem 1:

Faten eats the $\frac{2}{7}$ of her chocolate bar. Jamil eats the $\frac{2}{9}$ of his chocolate bar. How much did Faten eat more than Jamil?

Question 2:

Calculate to obtain a mixed number.

a) $5\frac{1}{2} + 9\frac{2}{3} =$ _____

b) $6\frac{2}{3} - 3\frac{1}{3} =$ _____

Question 3:

Given the length of side “s” of a square, calculate its perimeter P.

Side “s”	Perimeter P
7 cm	
14 mm	

Question 4:

Given the perimeter P of a square, find the length of its side “a”.

Perimeter P	Side “a”
28 cm	
40 cm	

Question 5:

a) Draw a square ABCD of side 3 cm length and draw its diagonals.

b) Calculate the perimeter of ABCD.

c) Calculate the area of ABCD.

Semester (4) Exam Review Worksheet

Mathematics, Grade 5

Topics Covered in the Exam:

- Perimeter: circle, rectangle, and square pages: 41 and 42 (volume 1).
- Area of a rectangle, a square, a right triangle. Application 1, page: 157/ applications 2, 3, and 4 page 158/ problems 1 and 2 page 159 (volume 2).
- Area of a disc applications 1, 2, and 3 pages 160 and 161 (volume 2)
- Multiplication by 10, 100, 1000, 0.1, 0.01, and 0.001 pages 168 and 169 (volume2).
- Division by 10, 100, and 1000 application 1 page 195 (volume 2).
- Exact decimal quotient. Application 2 page 198 (volume 2).
- Mixed numbers applications 1, 2, 3, 4, and 5 page 97 (volume 1).
- Mixed numbers applications 1 and 2 page 149 and problems 2 and 10 pages 150 and 151 (volume 2).
- Writing a fraction in its simplest form.
- Length conversion.

Practice Questions:

Students must practice these questions at home and the solution keys would be reviewed in class afterwards. This could be taken as a practice exam.

Question 1:

Convert.

1) 17.891 km = _____ m	2) 4430 cm = _____ m
3) 96.2 cm = _____ mm	4) 56 m = _____ cm
5) 32.32 m = _____ cm	6) 74.35 km = _____ m
7) 8.8 km = _____ m	8) 69.369 cm = _____ mm

Question 2:

A wire is bent to form a circle of diameter 8 cm.

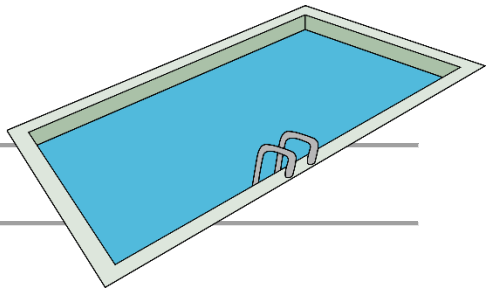
a) Find the area of this circle.

b) Find the perimeter of this circle. Find the result in cm and mm.

Question 3:

A land has the shape of a square of a 30 m side. On this land we build a swimming pool in the shape of a rectangle of 10 m length and 5 m width.

Calculate the area of the land surrounding the swimming pool.



Question 4:

The perimeter of a square-shaped carpet is 36 m. Find its area.

Question 5:

A mirrored plate has 4 sides of equal length. Each side is 200 cm.

Find the perimeter of this mirror. Find the result in cm and in m.

Question 6:

Janine runs a business from her home. Last year she used 21,500 sheets of paper.

If Janine uses 10 times as much paper this year as she did last year, how much paper will she use this year?

Question 7:

Divide.
Write the exact decimal quotient.

978 ÷ 5	**635 ÷ 2**

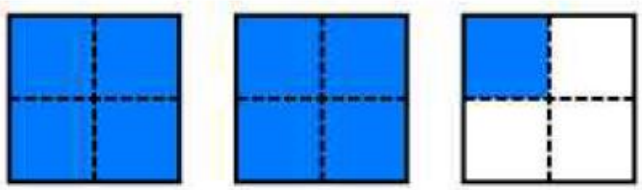
Question 8:

Write the following fractions in their simplest form.

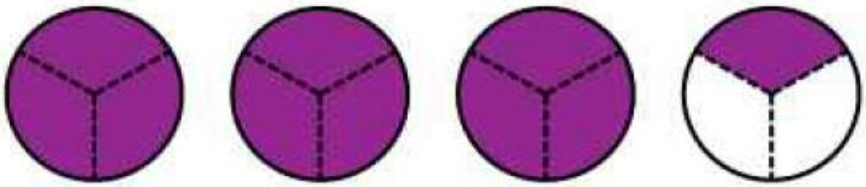
$\frac{15}{6} =$ ☐	$\frac{15}{12} =$ ☐
$\frac{18}{12} =$ ☐	$\frac{20}{16} =$ ☐
$\frac{12}{4} =$ ☐	$\frac{10}{4} =$ ☐

Question 9:

Write a mixed number to show what part of each illustration is shaded.

a. 

_____

b. 

_____

c. 

_____

Question 10:

Compare (using <, >, and =).

a) 1 $\frac{8}{3}$

b) $\frac{7}{7}$ 2

c) 2 $1\frac{1}{2}$

Question 11:

Jad walks along $5\frac{2}{5}$ km. She stops for 5 minutes, then she walks $2\frac{1}{2}$ km. What is the distance covered?