

Greenwood International School
Math Department
Term: 2
Subject: Mathematics
MOCK#:2
Number of Questions: 21
Sections Covered: 4,6,7,8,9,10,11 & 13



Name: _____
Date: / / 2019
Grade: (4 A, B, C, D)



Question 1:

a) To find the quotient and remainder.

$15 \div 4 =$

$22 \div 3 =$

$18 \div 7 =$

b) Divide. Draw a quick picture to help.

$23 \div 4 =$

$29 \div 3 =$

c) Choose Yes or No to tell whether the division expression has a remainder.

	Yes	No
$44 \div 7 =$		
$21 \div 3 =$		
$37 \div 4 =$		

d) Boris sorts his 27 basketball cards into stacks of 4 cards each. How many stacks of 4 cards can Boris make? How many are left?

e) Use basic facts and place value to find the quotient.

$480 \div 6 = \underline{\hspace{2cm}}$

$400 \div 5 = \underline{\hspace{2cm}}$

$150 \div 3 = \underline{\hspace{2cm}}$

f) Find the unknown number.

$$420 \div \underline{\quad} = 70 \quad 720 \div \underline{\quad} = 80 \quad 330 \div \underline{\quad} = 110$$

Question 2:

a) Divide and check.

$$642 \div 5$$

$$374 \div 4$$

b) Sass rode 477 miles in 3 days. If she rode the same number of miles each day, how far did she bike each day? Check your answer

Question 3:

a) Find the sum or difference.

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

$$\frac{4}{10} + \frac{1}{10} =$$

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

b) Mr. Angulo buys pound of $\frac{5}{6}$ red grapes and $\frac{1}{6}$ pound of green grapes. How many pounds of grapes did Mr. Angulo buy?

Question 4 :

a) Write the mixed number as a fraction.

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

$$4 \frac{2}{10} =$$

b) Write the fraction as a mixed number.

$$\frac{25}{6} =$$

$$\frac{24}{4} =$$

Question 5 :

a) Find the sum. Write the sum as a mixed number, so the fractional part is less than 1.

$$\begin{array}{r} 6 \frac{4}{5} \\ + 7 \frac{4}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 4 \frac{3}{8} \\ + 1 \frac{5}{8} \\ \hline \end{array}$$

Find the difference.

$$\begin{array}{r} 7 \frac{3}{4} \\ - 2 \frac{1}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 5 \frac{3}{6} \\ - 3 \frac{2}{6} \\ \hline \end{array}$$

b) Mona mixed $3\frac{7}{10}$ cups of corn flour with $2\frac{2}{10}$ cups of grains to make soup. How much more corn flour was used by her for soup?

Question 6 :

a) Multiply.

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

$$8 \times \frac{4}{6} =$$

b) Matthew walks $\frac{5}{6}$ mile to the bus stop each morning. How far will he walk in 5 days?

Question 7 :

a) Write two equivalent fractions

$$\frac{2}{5} = \underline{\quad\quad} = \underline{\quad\quad}$$

$$\frac{4}{6} = \underline{\quad\quad} = \underline{\quad\quad}$$

b) Tell whether the fractions are equivalent. Write = or \neq .

$$\frac{2}{3} \bigcirc \frac{4}{12}$$

$$\frac{5}{6} \bigcirc \frac{10}{12}$$

$$\frac{1}{4} \bigcirc \frac{4}{8}$$

Question 8 :

a) Which pairs of fractions are equivalent? Mark all that apply.

Ⓐ $\frac{8}{12}$ and $\frac{2}{3}$

Ⓒ $\frac{4}{5}$ and $\frac{8}{12}$

Ⓑ $\frac{3}{4}$ and $\frac{10}{12}$

Ⓓ $\frac{3}{5}$ and $\frac{60}{100}$

b) Write the pair of fractions as a pair of fractions with a common denominator.

$\frac{1}{4}$ and $\frac{2}{3}$

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

Question 9 :

a) Compare. Write $<$, $>$, or $=$.

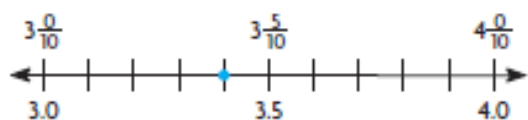
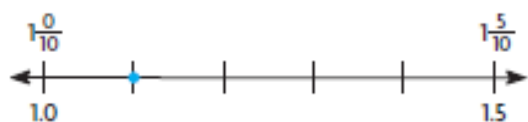
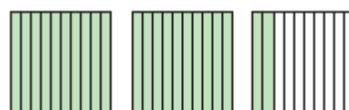
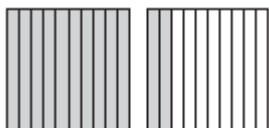
$\frac{1}{2}$ ○ $\frac{4}{7}$

$\frac{2}{3}$ ○ $\frac{5}{12}$

b) A recipe uses $\frac{4}{6}$ cup of flour and $\frac{5}{8}$ cup of blueberries. Is there more flour or more blueberries in the recipe?

Question 10:

a) Write the fraction or mixed number and the decimal shown by the model.



b) Write the fraction or mixed number as a decimal.

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

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

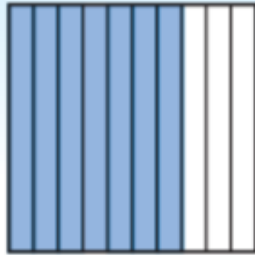
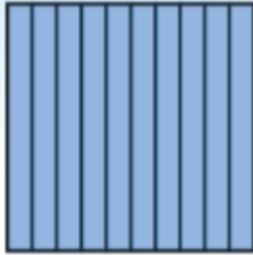
$$\frac{6}{10} =$$

c) Alex lives eight tenths of a mile from Sarah, What is eight tenths written as a decimal?

d)

THINK SMARTER

Select a number shown by the model. Mark all that apply.



$$1\frac{7}{10}$$

$$\frac{70}{10}$$

$$1.7$$

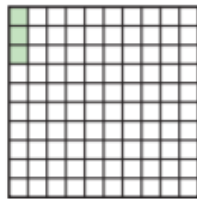
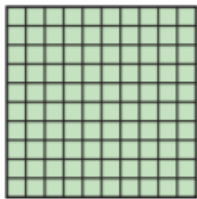
$$7$$

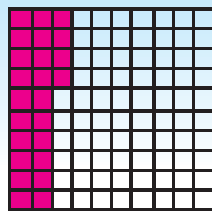
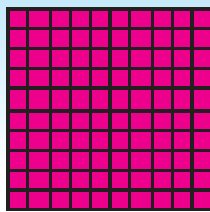
$$0.7$$

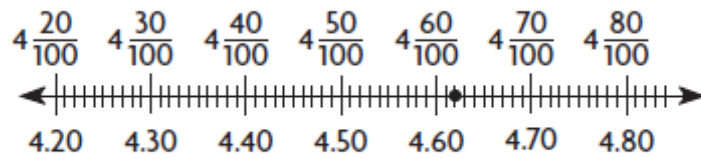
$$\frac{17}{10}$$

Question 11:

a) Write the fraction or mixed number and the decimal shown by the model.







b) Write the fraction or mixed number as a decimal.

$$\frac{68}{100} =$$

$$\frac{7}{100} =$$

$$5 \frac{36}{100} =$$

Question 12:

a) Use the number line to compare. Write *true* or *false*.

$$0.09 < 1.09$$

$$0.34 = 3.4$$

$$2.29 > 2.28$$

$$0.17 < 0.32$$

b) Compare. Write $<$, \bigcirc or $=$.

$$0.94 \bigcirc 0.9$$

$$0.3$$

$$0.32$$

$$0.45 \bigcirc 0.28$$

$$0.39 \bigcirc 0.93$$

Question 13:

Write the word that describes the part of Figure A.

ray line line segment

acute angle right angle

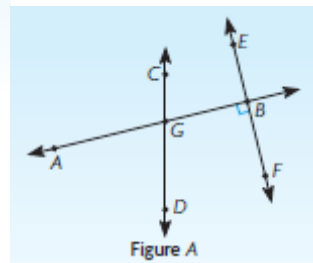
\overline{BG}

\overleftrightarrow{CD}

$\angle FBG$

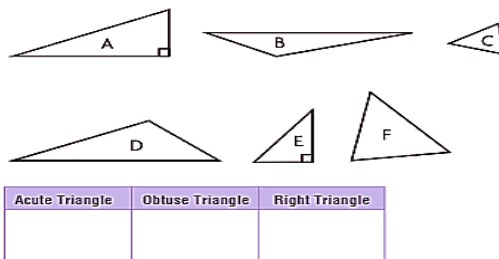
\overrightarrow{BE}

$\angle AGD$

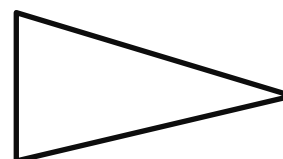


Question14 :

a) Write the letter of the triangle under its correct classification.



b) Max made a pendent that looks like a triangle. How can you classify the triangle based upon its angles?



The triangle is a(n) _____ triangle

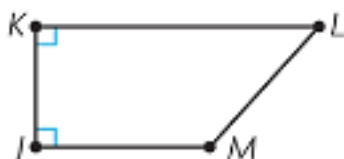
Question 15:

a) Draw and label the figures described.

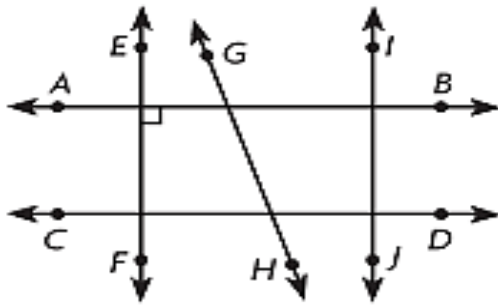
PQ and RS intersecting at point T

AB is || to CD

b) In the figure, which pair of line segments appears to be parallel.

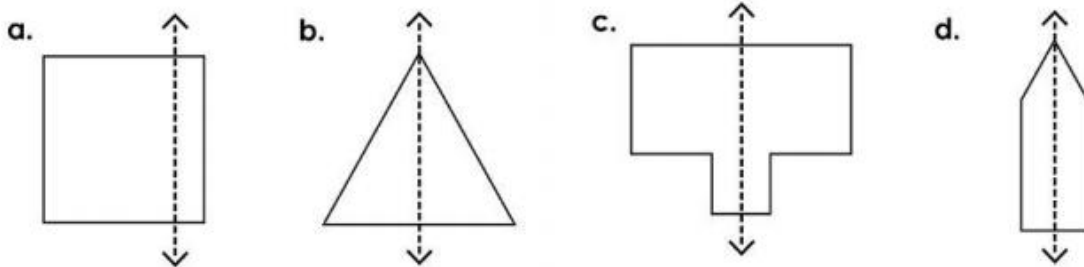


c) Name a pair of lines that are perpendicular



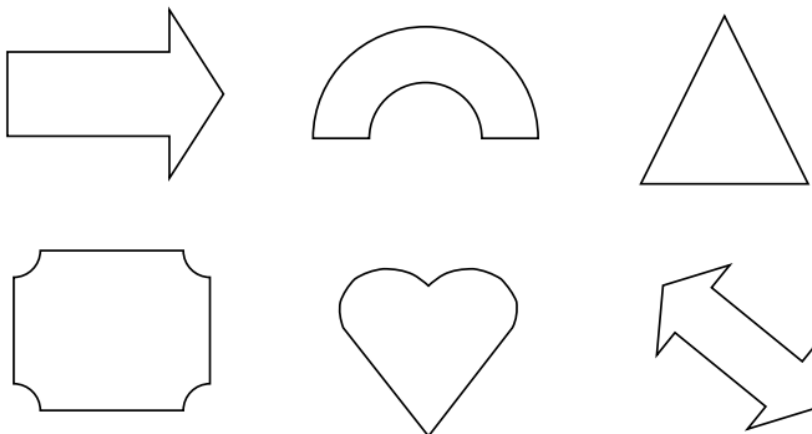
Question 16:

a) Tell whether the dotted line on each shape is a line of symmetry. Write yes or no.



Question 17:

Tell whether each figure has 1 line of symmetry, 2 line of symmetry.



Question 18 :

a) Tell whether the angle on the circle shows $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ or 1 full turn.

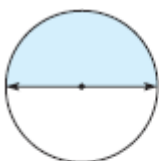


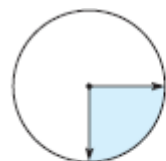


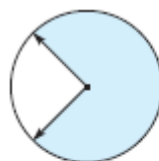


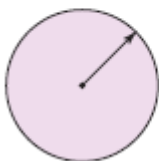


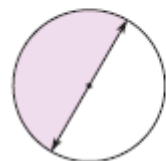
b) Tell what fraction of the circle the shaded angle represents.

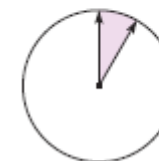












Question 19 :

a) Use a protector and draw the angles.

35°

145°

b)

Choose the word and angle measure to complete a true statement about $\angle JKL$.



$\angle JKL$ is a(n)

acute

obtuse

right

angle that has a measure of

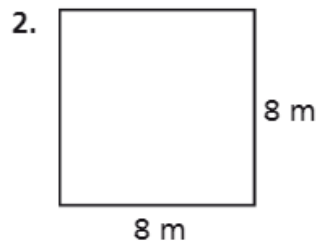
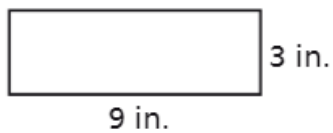
60° .

120° .

135° .

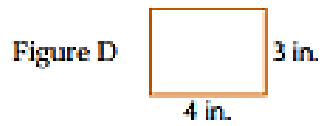
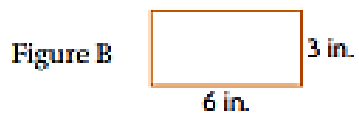
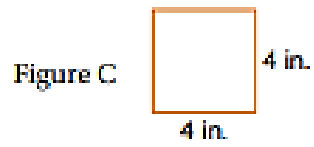
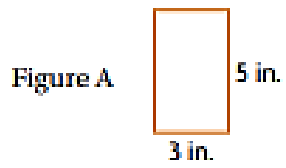
Question 20:

a) Find the perimeter for the rectangle or square



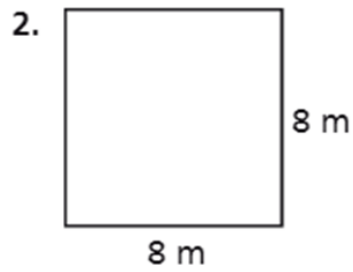
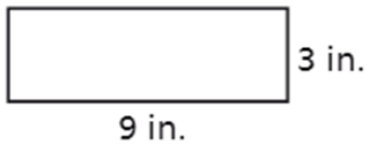
b) The width of the Sahara Community Pool is 10 feet. The length is twice as long as its width. What is the perimeter of the pool?

c) Which has the greatest perimeter? Figure _____



Question 21:

Find the area of the rectangle or square,



Answer Key

Question 1:

- a) To find the quotient and remainder.

$15 \div 4 = 3 \text{ r } 3$

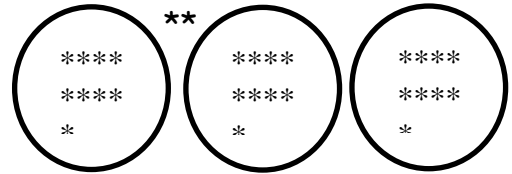
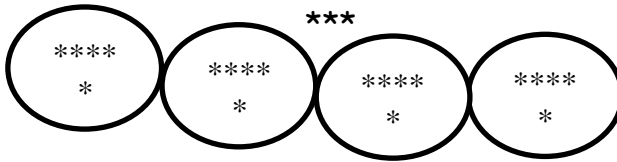
$22 \div 3 = 7 \text{ r } 1$

$18 \div 7 = 2 \text{ r } 4$

- b) Divide. Draw a quick picture to help.

$23 \div 4 = 5 \text{ r } 3$

$29 \div 3 = 9 \text{ r } 2$



- c) Choose Yes or No to tell whether the division expression has a remainder.

	Yes	No
$44 \div 7 =$	✓	
$21 \div 3 =$		✓
$37 \div 4 =$	✓	

- d) Boris sorts his 27 basketball cards into stacks of 4 cards each. How many stacks of 4 cards can Boris make? How many are left?

$27 \div 4 = 6 \text{ r } 3$

6 stacks, 3 are left.

- e) Use basic facts and place value to find the quotient.

$480 \div 6 = \underline{80}$

$400 \div 5 = \underline{80}$

$150 \div 3 = \underline{50}$

- f) Find the unknown number.

$420 \div \underline{6} = 70$

$720 \div \underline{9} = 80$

$330 \div \underline{3} = 110$

Question 2:

c) Divide and check.

$$642 \div 5$$

$$\begin{array}{r} 128 \\ \sqrt[5]{642} \\ - \underline{5} \\ 14 \\ - \underline{10} \\ 42 \\ - \underline{40} \\ 02 \end{array}$$

$$\begin{array}{r} 128 \\ \times 5 \\ \hline 640 \\ + \underline{2} \\ \hline 642 \end{array}$$

$$374 \div 4$$

$$\begin{array}{r} 93 \\ \sqrt[4]{374} \\ - \underline{36} \\ 14 \\ - \underline{12} \\ 2 \end{array}$$
$$\begin{array}{r} 93 \\ \times 4 \\ \hline 372 \\ + \underline{2} \\ \hline 374 \end{array}$$

d) Sass rode 477 miles in 3 days. If she rode the same number of miles each day, how far did she bike each day? Check your answer

$$\begin{array}{r} 159 \\ \sqrt[3]{477} \\ - \underline{3} \\ 17 \\ - \underline{15} \\ 27 \\ - \underline{27} \end{array}$$
$$\begin{array}{r} 159 \\ \times 3 \\ \hline 477 \end{array}$$

Question 3:

c) Find the sum or difference.

$$\frac{5}{6} - \frac{2}{6} = \frac{3}{6} \text{ or } \frac{1}{2}$$

$$\frac{4}{10} + \frac{1}{10} = \frac{5}{10} \text{ or } \frac{1}{2}$$

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

d) Mr. Angulo buys pound of $\frac{5}{6}$ red grapes and $\frac{1}{6}$ pound of green grapes. How many pounds of grapes did Mr. Angulo buy?

$$\frac{6}{6} \text{ or } 1 \text{ pound}$$

Question 4 :

c) Write the mixed number as a fraction.

$$2 \frac{3}{5} = \frac{13}{5}$$

$$4 \frac{2}{10} = \frac{42}{10}$$

d) Write the fraction as a mixed number.

$$\frac{25}{6} = 4 \frac{1}{6}$$

$$\frac{24}{4} = 6$$

Question 5 :

c) Find the sum. Write the sum as a mixed number, so the fractional part is less than 1.

$$\begin{array}{r} 6 \frac{4}{5} \\ + 7 \frac{4}{5} \\ \hline 13 \frac{8}{5} \end{array}$$

$$\begin{array}{r} 4 \frac{3}{8} \\ + 1 \frac{5}{8} \\ \hline 6 \end{array}$$

Find the difference.

$$\begin{array}{r} 7\frac{3}{4} \\ -2\frac{1}{4} \\ \hline \end{array}$$

$$5\frac{2}{4} \text{ or } 5\frac{1}{2}$$

$$\begin{array}{r} 5\frac{3}{6} \\ -3\frac{2}{6} \\ \hline 2\frac{1}{6} \end{array}$$

d) Mona mixed $3\frac{7}{10}$ cups of corn flour with $2\frac{2}{10}$ cups of grains to make soup. How much more corn flour was used by her for soup?

$$3\frac{7}{10} - 2\frac{2}{10} = 1\frac{5}{10} \text{ or } 1\frac{1}{2}$$

Question 6 :

c) Multiply.

$$2 \times \frac{3}{4} = \frac{6}{4}$$

$$8 \times \frac{4}{6} = \frac{32}{6}$$

d) Matthew walks $\frac{5}{6}$ mile to the bus stop each morning. How far will he walk in 5 days?

$$\frac{25}{6} \text{ miles}$$

Question 7 :

c) Write two equivalent fractions

$$\frac{2}{5} = \frac{4}{10} = \frac{6}{15}$$

$$\frac{4}{6} = \frac{8}{12} = \frac{12}{18}$$

d) Tell whether the fractions are equivalent. Write = or \neq .

$$\frac{2}{3} \text{ (>) } \frac{1}{12}$$

$$\frac{5}{6} \text{ (=) } \frac{10}{12}$$

$$\frac{1}{4} \text{ (<) } \frac{4}{8}$$

Question 8 :

c) Which pairs of fractions are equivalent? Mark all that apply.

A $\frac{8}{12}$ and $\frac{2}{3}$

C $\frac{4}{5}$ and $\frac{8}{12}$

Answer = A, D

B $\frac{3}{4}$ and $\frac{10}{12}$

D $\frac{3}{5}$ and $\frac{60}{100}$

d) Write the pair of fractions as a pair of fractions with a common denominator.

$$\frac{1}{4} \text{ and } \frac{2}{3}$$

$$\frac{3}{4} \text{ and } \frac{5}{12}$$

$$\frac{3}{12} \text{ , } \frac{8}{12}$$

$$\frac{9}{12} \text{ , } \frac{5}{12}$$

Question 9 :

c) Compare. Write $<$, $>$, or $=$.

$$\frac{1}{2} \bigcirc \frac{4}{7}$$

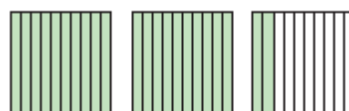
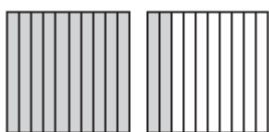
$$\frac{2}{3} \bigcirc \frac{5}{12}$$

d) A recipe uses $\frac{4}{6}$ cup of flour and $\frac{5}{8}$ cup of blueberries. Is there more flour or more blueberries in the recipe?

Answer: More flour

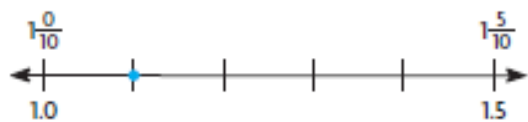
Question 10:

e) Write the fraction or mixed number and the decimal shown by the model.

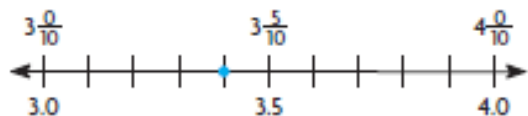


$$1 \frac{2}{10}, 1.2$$

$$2 \frac{2}{10}, 2.2$$



$$1 \frac{1}{10}, 1.1$$



$$3 \frac{4}{10}, 3.4$$

f) Write the fraction or mixed number as a decimal.

$$5 \frac{3}{10} = 5.3$$

$$3 \frac{5}{10} = 3.5$$

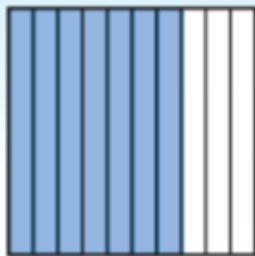
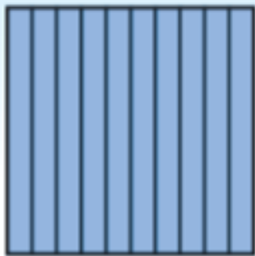
$$\frac{6}{10} = 0.6$$

g) Alex lives eight tenths of a mile from Sarah, What is eight tenths written as a decimal?

Answer: 0.8

h)

THINK SMARTER Select a number shown by the model. Mark all that apply.



$1\frac{7}{10}$

$\frac{70}{10}$

1.7

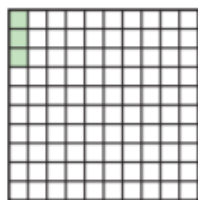
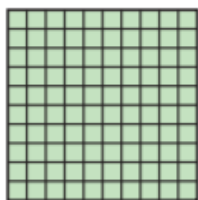
7

0.7

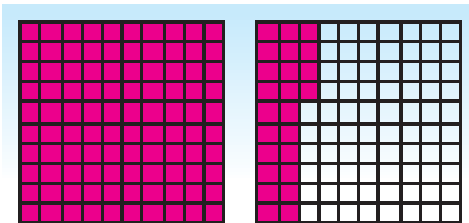
$\frac{17}{10}$

Question 11:

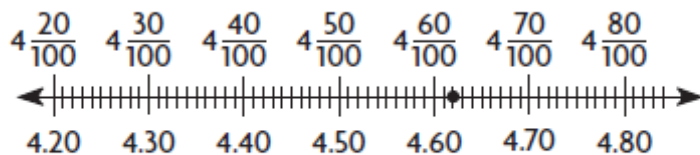
a) Write the fraction or mixed number and the decimal shown by the model.



$1\frac{3}{100}$, 1.03



$1\frac{24}{100}$, 1.24



$$4\frac{62}{100}, 4.62$$

e) Write the fraction or mixed number as a decimal.

$$\frac{68}{100} = 0.68$$

$$\frac{7}{100} = 0.07$$

$$5\frac{36}{100} = 5.36$$

Question 12:

c) Use the number line to compare. Write *true* or *false*.

$$0.09 < 1.09$$

$$0.34 = 3.4$$

$$2.29 > 2.28$$

$$0.17 < 0.32$$

d) Compare. Write $<$, $>$, or $=$.

$$0.94 > 0.9$$

$$0.3 < 0.32$$

$$0.45 > 0.28$$

$$0.39 < 0.93$$

Question 13:

Write the word that describes the part of Figure A.

THINK SMARTER Write the word that describes the part of Figure A.

ray line line segment

acute angle right angle

\overline{BG} line segment

\overleftrightarrow{CD} line

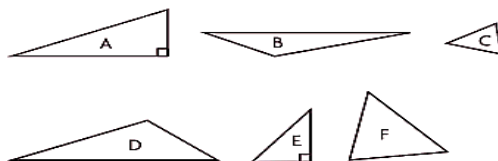
$\angle FBG$ right angle

\overrightarrow{BE} ray

$\angle AGD$ acute angle

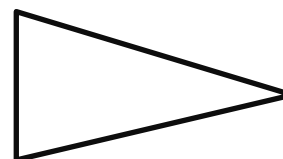
Question14 :

c) Write the letter of the triangle under its correct classification



Acute angle	Obtuse angle	Right angle
C, F	D, B	A, E

d) Max made a pendent that looks like a triangle. How can you classify the triangle based upon its angles?

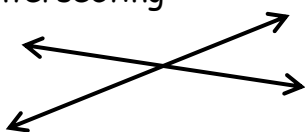


The triangle is a(n) acute triangle

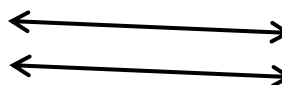
Question 15:

d) Draw and label the figures described.

PQ and RS intersecting
at point T



AB is || to CD

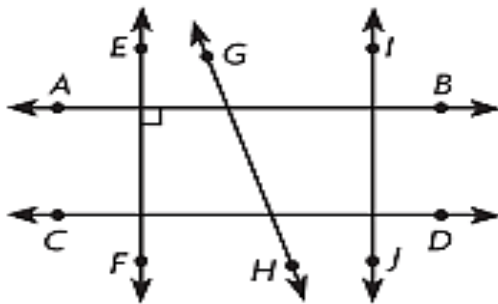


e) In the figure, which pair of line segments appears to be parallel?



JM || KL

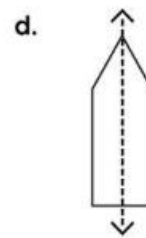
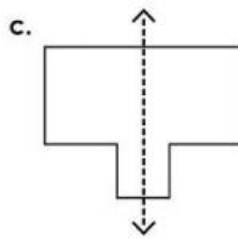
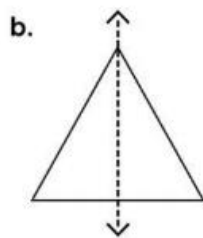
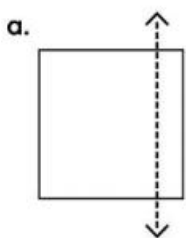
f) Name a pair of lines that are perpendicular



AB perpendicular EF

Question 16:

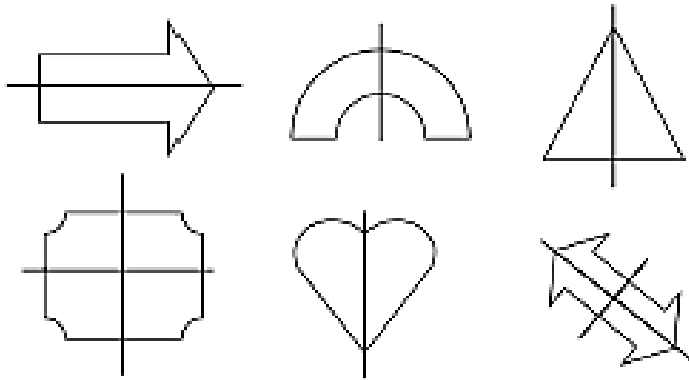
b) Tell whether the dotted line on each shape is a line of symmetry. Write yes or no



no	yes	yes	yes
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Question 17:

Tell whether each figure has 1 line of symmetry, 2 line of symmetry.



Question 18 :

c) Tell whether the angle on the circle shows $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ or 1 full turn.



$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1
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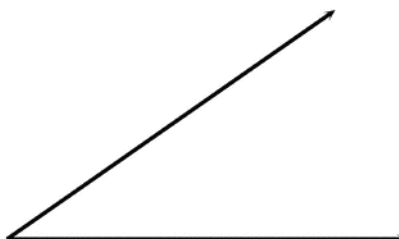
d) Tell what fraction of the circle the shaded angle represents.

 $\frac{1}{2}$	 $\frac{1}{4}$	 $\frac{3}{4}$
 1	 $\frac{1}{2}$	 $\frac{1}{12}$

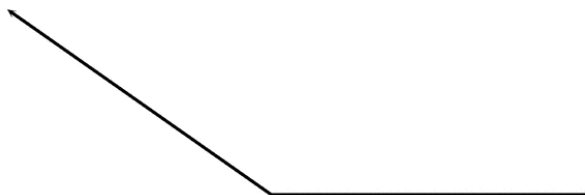
Question 19 :

g) Use a protector and draw the angles.

35°



145°



h)

Choose the word and angle measure to complete a true statement about $\angle JKL$.



$\angle JKL$ is a(n)

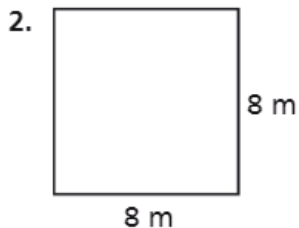
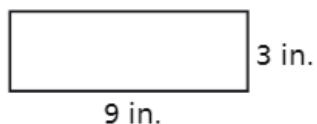
- acute
- Obtus**
- right

angle that has a measure of

- 60°
- 120°
- 135°

Question 20:

d) Find the perimeter for the rectangle or square



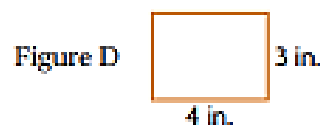
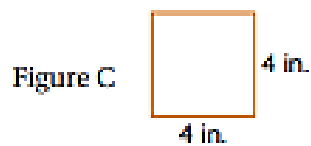
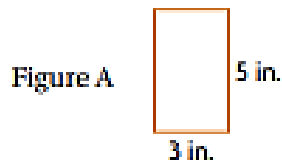
$9 + 3 + 9 + 3 = 24 \text{ in.}$

$8 + 8 + 8 + 8 = 32 \text{ m}$

e) The width of the Sahara Community Pool is 10 feet. The length is twice as long as its width. What is the perimeter of the pool?

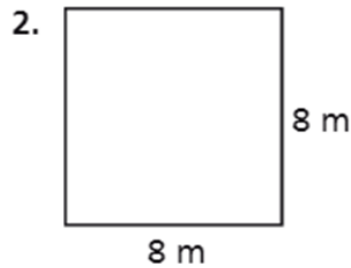
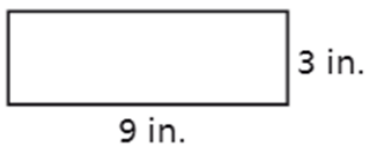
$$10 + 10 + 20 + 20 = 60 \text{ feet}$$

f) Which has the greatest perimeter? Figure B



Question 21:

Find the area of the rectangle or square,



$$9 \times 3 = 27 \text{ square inch}$$

$$8 \times 8 = 64 \text{ square meter}$$

