

Texas Assessment of Knowledge and Skills
Grade: 08
Subject: Mathematics
Administration: Spring 2003

Note: Measurement questions may have had scale altered in duplication.

8-Objective 1: The student will demonstrate an understanding of numbers, operations, and quantitative reasoning.

(8.1) Number, operation, and quantitative reasoning. The student understands that different forms of numbers are appropriate for different situations. The student is expected to

(B) select and use appropriate forms of rational numbers to solve real-life problems including those involving proportional relationships;

2 A bag of mixed Yummy Gummies contains 26% green, 34% red, 24% blue, and 16% yellow gummies. Carla put 250 mixed gummies in a bowl. Which proportion can be used to find y , the total number of yellow gummies in the bowl?

F $\frac{250}{y} = \frac{16}{100}$

G $\frac{16}{100} = \frac{y}{250}$

H $\frac{100}{250} = \frac{y}{16}$

J $\frac{16}{100} = \frac{150}{y}$

8-Objective 1

(8.2) Number, operation, and quantitative reasoning. The student selects and uses appropriate operations to solve problems and justify solutions. The student is expected to

(A) select and use appropriate operations to solve problems and justify the selections;

9 Jasmine has an average of 95 on 15 quiz grades. If her teacher drops Jasmine's lowest grade, a 72, which equation can be used to find n , Jasmine's new quiz average?

A $n = \frac{95 - 72}{14}$

B $n = \frac{(95 \times 15) - 72}{14}$

C $n = \frac{(95 \times 15) - 72}{15}$

D $n = \frac{95(72 - 15)}{14}$

8.2(C) evaluate a solution for reasonableness;

11 Ms. Gonzalez's monthly electricity bills for March through June were \$97.09, \$103.96, \$114.73, and \$121.82. She estimated that the electricity cost a total of \$400.00 over these 4 months. Which best describes her estimate?

- A** Less than the actual amount because she rounded to the nearest \$100
- B** Less than the actual amount because she rounded to the nearest \$10
- C** More than the actual amount because she rounded to the nearest \$100
- D** More than the actual amount because she rounded to the nearest \$10

8-Objective 1

8.2(B) add, subtract, multiply, and divide rational numbers in problem situations;

21 Three roommates agreed to split the cost of food and rent evenly. Last month they spent a total of \$349.66 for food and \$365 for rent.

Find the amount that each of the 3 roommates paid.

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

8.2(B) add, subtract, multiply, and divide rational numbers in problem situations;

24 A jeweler bought 2 meters of silver chain. She used 20 centimeters to make a bracelet and 60 centimeters to make a necklace. How many meters of silver chain did she have left?

- F** 1,200 m
- G** 120 m
- H** 1.2 m
- J** 0.12 m

8.2(C) evaluate a solution for reasonableness;

26 Rae's recipe for lemon-lime punch calls for the following ingredients:

1 quart of apple juice

$2\frac{3}{4}$ cups of lemon-lime soda

64 ounces of pineapple juice

2 quarts of cold water

$\frac{1}{4}$ cup of lemon juice

What is the smallest container that will hold all the ingredients?

- F** A 4-quart container
- G** A 5-quart container
- H** A 6-quart container
- J** A 7-quart container

8-Objective 1

8.1(C) approximate mentally [and with calculators] the value of irrational numbers as they arise from problem situations (Π , $\sqrt{2}$);

30 The area of a square is 125 square meters. Which best represents the length of a side of the square?

- F 10.8 m
- G 11.2 m
- H 11.9 m
- J 12 m

8.1(A) compare and order rational numbers in various forms including integers, percents, and positive and negative fractions and decimals;

42 A librarian arranged some books on the shelf using the Dewey decimal system. Choose the group of book numbers that is listed in order from least to greatest.

- F 549.010, 549.101, 549.02, 549.3
- G 392.4, 397.46, 399.53, 399.062
- H 101.2, 101.04, 104.21, 110.0
- J 834, 834.19, 834.2, 834.29

8.1(B) select and use appropriate forms of rational numbers to solve real-life problems including those involving proportional relationships;

45 An electronic device counted 3,962 vehicles passing through an intersection during a 7-hour period. If the number of vehicles passing through this intersection per hour remains the same, which proportion can be used to find x , the number of vehicles that would be counted by the device during a 9-hour period?

A $\frac{7}{3,962} = \frac{x}{9}$

B $\frac{3,962}{7} = \frac{x}{9}$

C $\frac{7}{x} = \frac{9}{3,962}$

D $\frac{7}{3,962} = \frac{16}{x}$

8-Objective 1

8.1D) express numbers in scientific notation, including negative exponents, in appropriate problem situations [using a calculator].

46 A certain bacterium measures approximately 0.000015 millimeter in length. How is this length expressed in scientific notation?

F 1.5×10^{-5} mm

G 1.5×10^{-4} mm

H 0.15×10^5 mm

J 15×10^4 mm

8-Objective 2: The student will demonstrate an understanding of patterns, relationships, and algebraic reasoning.

8.4) Patterns, relationships, and algebraic thinking. The student makes connections among various representations of a numerical relationship. The student is expected to

(A) generate a different representation given one representation of data such as a table, graph, equation, or verbal description.

1 The equation $c = 0.75t$ represents c , the total cost of t tickets on a bus. Which table contains values that fit this equation?

Cost of Bus Tickets

A

t	1	2	3	4
c	\$0.75	\$1.50	\$2.25	\$3.00

Cost of Bus Tickets

B

t	1	2	3	4
c	\$0.75	\$1.00	\$1.25	\$1.50

Cost of Bus Tickets

C

t	1	2	3	4
c	\$1.75	\$2.50	\$3.25	\$4.00

Cost of Bus Tickets

D

t	1	2	3	4
c	\$1.75	\$2.75	\$3.75	\$4.75

8-Objective 2

(8.5) Patterns, relationships, and algebraic thinking. The student uses graphs, tables, and algebraic representations to make predictions and solve problems. The student is expected to

A) estimate, find, and justify solutions to application problems using appropriate tables, graphs, and algebraic equations;

12 A baseball card was worth \$3 when it was issued in 1996. The table shows the value of the card each year since 1996.

Value of Baseball Card

Year	Value of Card
1996	\$3.00
1997	\$3.30
1998	\$3.65
1999	\$4.05
2000	\$4.50
2001	\$5.00

Based on the information in the table, what is a reasonable prediction for the value of the baseball card in 2004?

- F** Between \$5 and \$6
- G** Between \$6 and \$7
- H** Between \$7 and \$8
- J** Between \$8 and \$9

(8.3) Patterns, relationships, and algebraic thinking. The student identifies proportional relationships in problem situations and solves problems. The student is expected to

(B) estimate and find solutions to application problems involving percents and proportional relationships such as similarity and rates.

15 Bobby saved \$32 when he purchased a jacket at a clearance sale. If the sale price was 40% off the regular price, what was the regular price of the jacket?

- A** \$48
- B** \$72
- C** \$80
- D** \$128

8-Objective 2

8.3(B) estimate and find solutions to application problems involving percents and proportional relationships such as similarity and rates.

27 Vanita can read an average of 18 pages during a 30-minute reading period at school. At this rate, approximately how long will it take her to read a 380-page book?

- A 11 h
- B 21 h
- C 23 h
- D 42 h

8.5(B) use an algebraic expression to find any term in a sequence.

29 Which expression can be used to find the n th term in the following arithmetic sequence, where n represents a number's position in the sequence?

Position in Sequence	1	2	3	4	n
Term	5	9	13	17	?

- A $n + 4$
- B $3n + 4$
- C $5n$
- D $4n + 1$

8.3(A) compare and contrast proportional and non-proportional relationships;

32 Tim ran 150 meters in 25 seconds, and Evan ran 90 meters in 15 seconds. Based on these rates, which statement is true?

- F Tim's average speed was 4 meters per second faster than Evan's average speed.
- G Tim's average speed was 2.4 meters per second faster than Evan's average speed.
- H Tim's average speed was 2 meters per second faster than Evan's average speed.
- J Tim's average speed was equal to Evan's average speed.

8-Objective 2

8.5(B) use an algebraic expression to find any term in a sequence.

- 36 Let n represent the position of a number in the following arithmetic sequence.

$$\frac{1}{2}, 1, \frac{3}{2}, 2, \dots$$

Which expression can be used to find any term in the sequence?

F $2n$

G $\frac{1}{2}n$

H $\frac{3}{2}n$

J $\frac{5}{2}n$

8.5(A) estimate, find, and justify solutions to application problems using appropriate tables, graphs, and algebraic equations;

40 Mr. Park's total monthly charge for local and long-distance telephone service, c , can be found using the equation $c = 20 + 0.07m$, where m represents the number of minutes of long-distance calls Mr. Park made during that month. Find the total charge for a month during which Mr. Park made 100 minutes of long-distance calls.

F \$7.00

G \$20.00

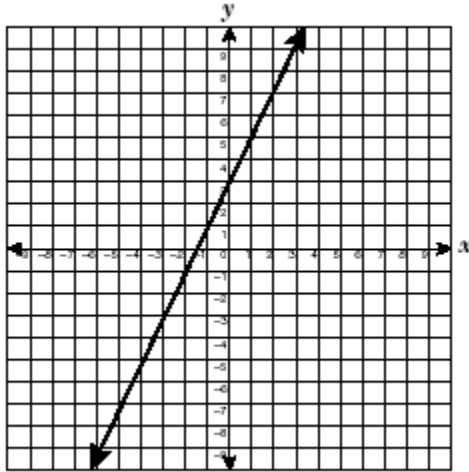
H \$20.07

J \$27.00

8-Objective 2

8.4(A) generate a different representation given one representation of data such as a table, graph, equation, or verbal description.

47 The graph of the line $y = 2x + 3$ is drawn on the coordinate grid below.



Which table of ordered pairs contains only points on this line?

A

x	y
-2	1
0	3
1	5
3	9

C

x	y
-1	-2
3	0
5	1
7	2

B

x	y
-2	-1
0	3
1	5
2	7

D

x	y
2	1
0	3
1	5
2	7

8-Objective 2

8.3(A) compare and contrast proportional and non-proportional relationships;

49 Mrs. Pardue wants to purchase some apples. She compared prices from several different on-line grocers. Which grocer's price table is based on a constant unit price?

Groceries 2 U

A

Number of Apples	Total Cost
10	\$2.00
20	\$3.50
30	\$5.50
40	\$7.00

The Market

C

Number of Apples	Total Cost
10	\$2.50
20	\$4.00
30	\$6.00
40	\$7.50

The Dotted Grocer

B

Number of Apples	Total Cost
10	\$2.00
20	\$4.00
30	\$6.00
40	\$8.00

Web Grocer

D

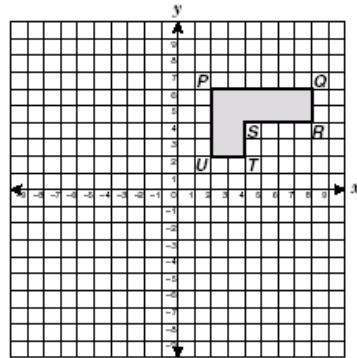
Number of Apples	Total Cost
10	\$2.50
20	\$5.00
30	\$7.50
40	\$9.50

8-Objective 3: The student will demonstrate an understanding of geometry and spatial reasoning.

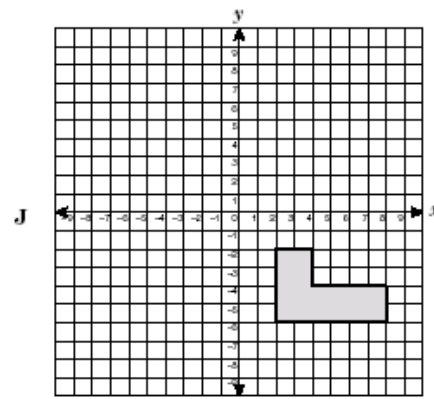
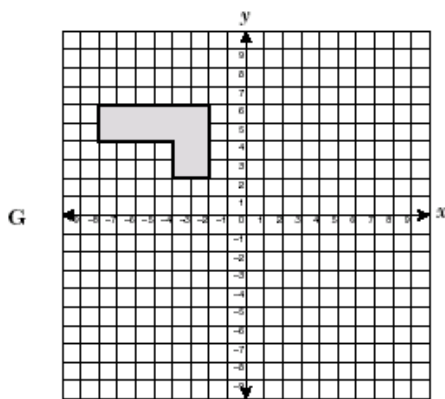
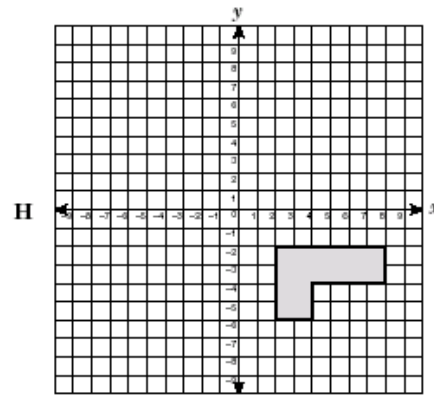
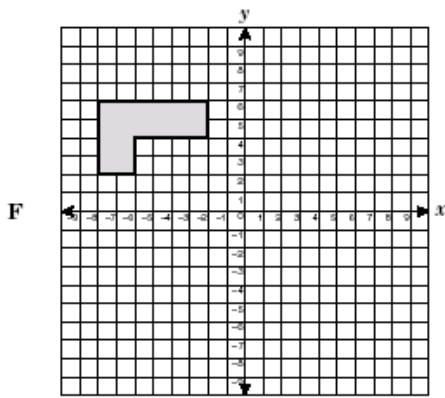
(8.6) Geometry and spatial reasoning. The student uses transformational geometry to develop spatial sense. The student is expected to

(B) graph dilations, reflections, and translations on a coordinate plane.

10 Polygon $PQRSTU$ is shown on the coordinate grid below.



Which coordinate grid shows the reflection of polygon $PQRSTU$ across the x -axis?



8-Objective 3

(8.7) Geometry and spatial reasoning. The student uses geometry to model and describe the physical world. The student is expected to

(B) use geometric concepts and properties to solve problems in fields such as art and architecture;

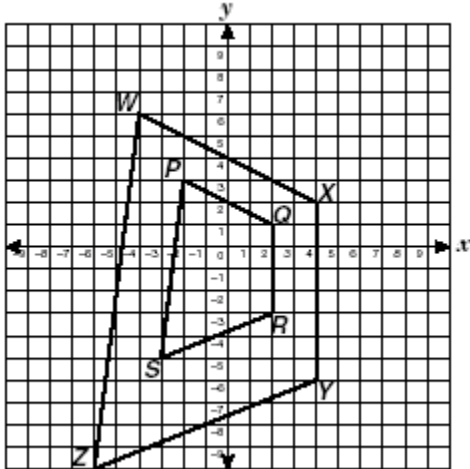
13 A bicycle wheel travels about 82 inches in 1 full rotation. What is the diameter of the wheel, to the nearest inch?

- A** 5 in.
- B** 10 in.
- C** 13 in.
- D** 26 in.

8-Objective 3

8.6(A) generate similar shapes using dilations including enlargements and reductions;

31 Quadrilateral $PQRS$ was dilated to form quadrilateral $WXYZ$.



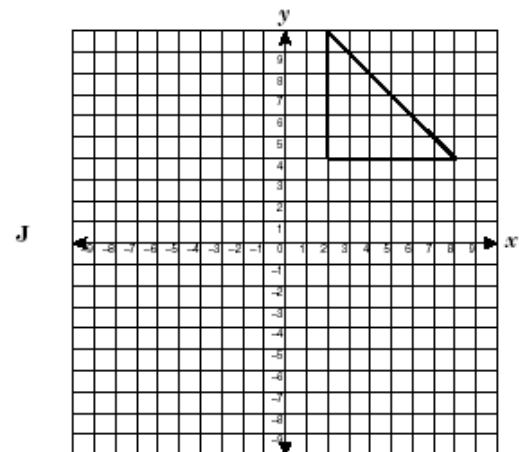
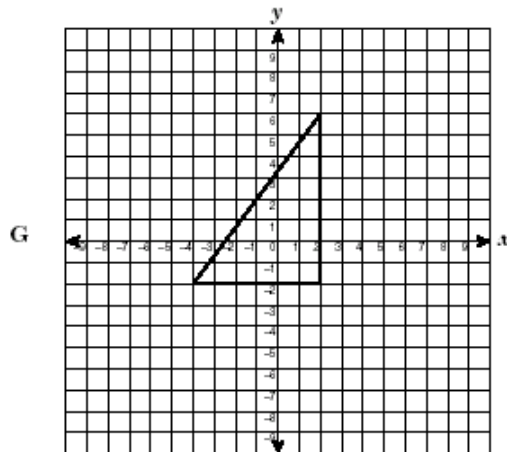
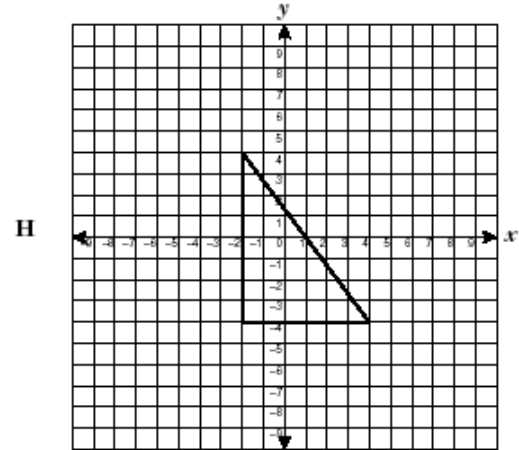
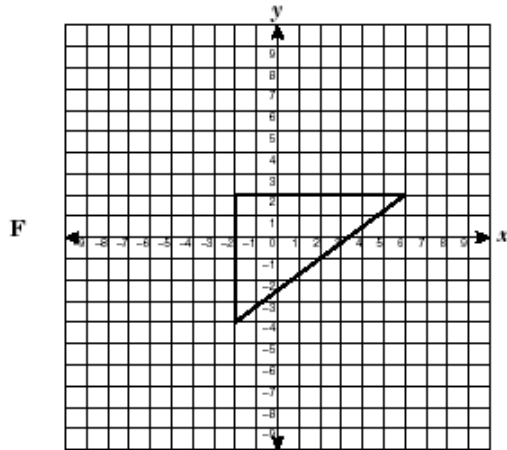
Which number best represents the scale factor used to change quadrilateral $PQRS$ into quadrilateral $WXYZ$?

- A $\frac{1}{4}$
- B $\frac{1}{2}$
- C 2
- D 4

8-Objective 3

8.7(D) locate and name points on a coordinate plane using ordered pairs of rational numbers.

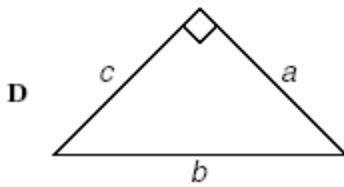
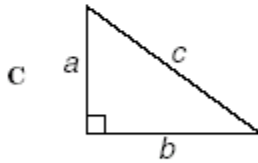
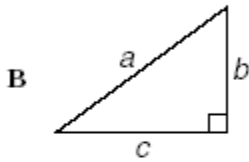
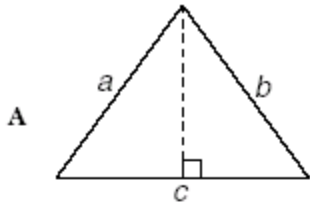
34 Which graph shows a right triangle with one vertex at coordinates $(-2, -4)$ and another vertex in the first quadrant?



8-Objective 3

8.7(C) use pictures or models to demonstrate the Pythagorean Theorem;

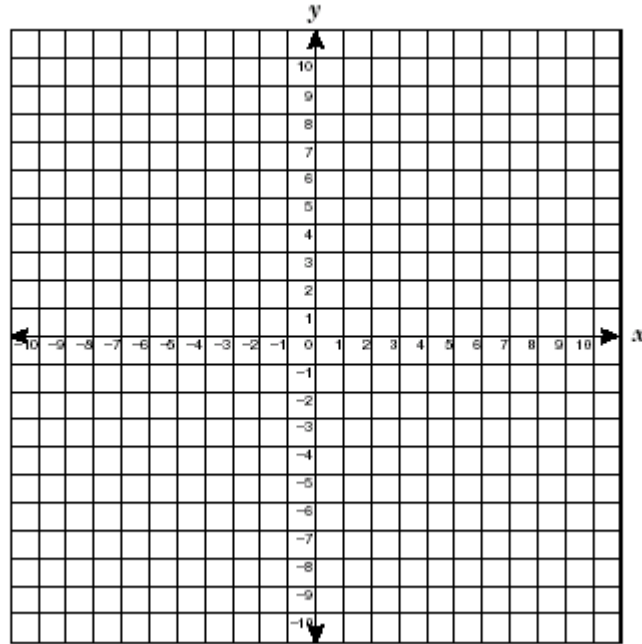
37 Which figure best represents a triangle with sides a , b , and c in which the relationship $a^2 + b^2 = c^2$ is always true?



8-Objective 3

8.6(B) graph dilations, reflections, and translations on a coordinate plane.

43 A circle with a radius of 3 units has its center at $(-4, -2)$ on a coordinate grid.



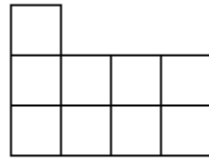
If the circle is translated 6 units to the right and 3 units up, what will be the coordinates of the new center?

- A $(2, 1)$
- B $(1, 2)$
- C $(-2, 1)$
- D $(1, -2)$

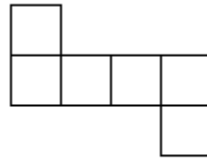
8-Objective 3

8.7(A) draw solids from different perspectives;

50 The drawings show the top view and the front view of a solid figure built with cubes.

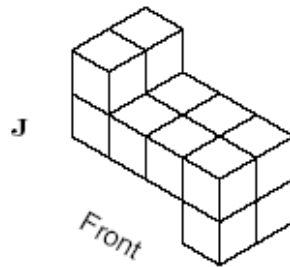
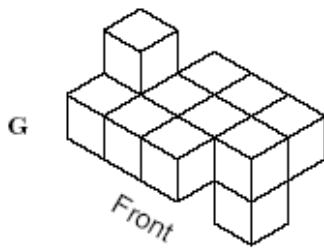
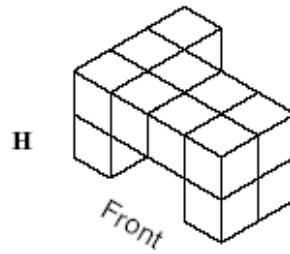
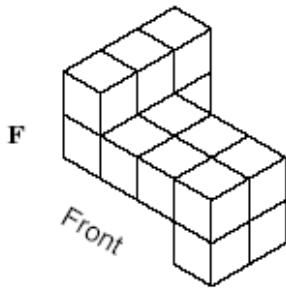


Top View



Front View

Which drawing shows a 3-dimensional view of the solid figure represented above?

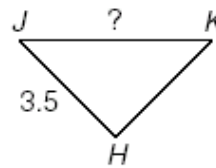
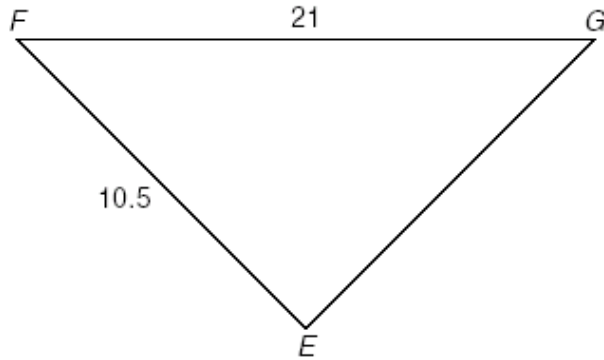


8-Objective 4: The student will demonstrate an understanding of the concepts and uses of measurement.

(8.9) Measurement. The student uses indirect measurement to solve problems. The student is expected to

(B) use proportional relationships in similar shapes to find missing measurements.

7 $\triangle EFG$ is similar to $\triangle HJK$.



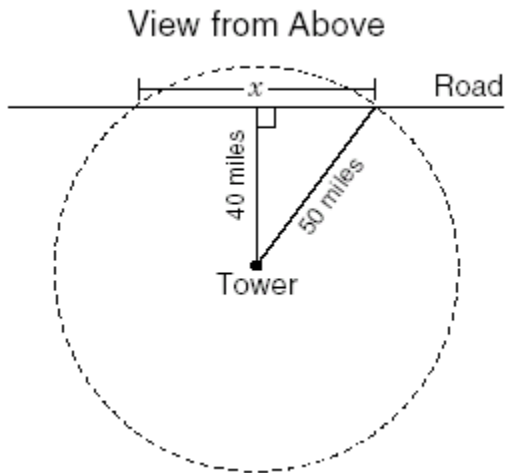
Find the length of segment JK .

- A 3 units
- B 7 units
- C 14 units
- D 24.5 units

8-Objective 4

8.9(A) use the Pythagorean Theorem to solve real-life problems;

19 A cell-phone tower that has a transmission range of 50 miles is located 40 miles due south of a straight road.



Find x , the length of the section of road that is within the transmission range of the tower.

- A 10 mi
- B 30 mi
- C 60 mi
- D 90 mi

8-Objective 4

(8.8) Measurement. The student uses procedures to determine measures of solids. The student is expected to

(A) find surface area of prisms and cylinders using [concrete] models and nets (two-dimensional models);

23 For small paving jobs, a contractor uses a roller pushed by a worker.



To the nearest square inch, what is the area of pavement with which the surface of the roller will come into contact in one complete rotation?

- A 753 in.²
- B 1,507 in.²
- C 1,708 in.²
- D 1,909 in.²

8.8(C) estimate answers and use formulas to solve application problems involving surface area and volume.

28 A cardboard box is 60 inches long, 18 inches wide, and 24 inches high. Which is closest to the volume of the box in cubic feet?

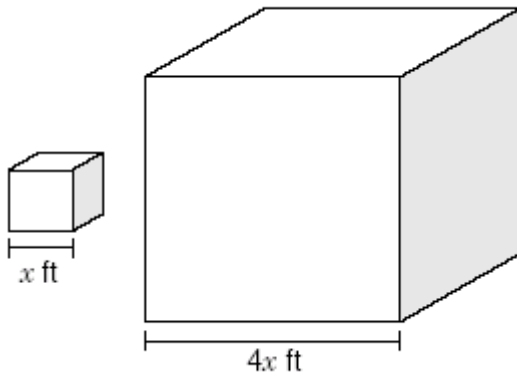
- F 8.5 ft³
- G 15 ft³
- H 18 ft³
- J 24 ft³

8-Objective 4

(8.10) Measurement. The student describes how changes in dimensions affect linear, area, and volume measures. The student is expected to

(B) describe the resulting effect on volume when dimensions of a solid are changed proportionally.

38 The dimensions of two cubes are shown below.



The volume of the smaller cube is 64 cubic feet. Find the volume of the larger cube.

- F $16,384 \text{ ft}^3$
- G $4,096 \text{ ft}^3$
- H 768 ft^3
- J 256 ft^3

8-Objective 5: The student will demonstrate an understanding of probability and statistics.

(8.12) Probability and statistics. The student uses statistical procedures to describe data. The student is expected to

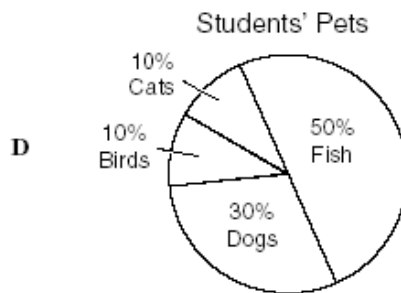
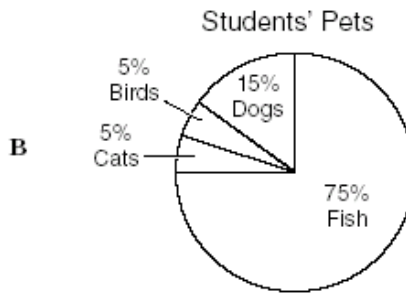
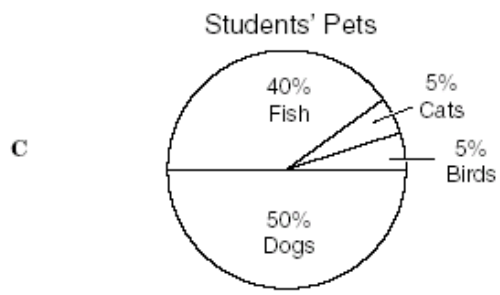
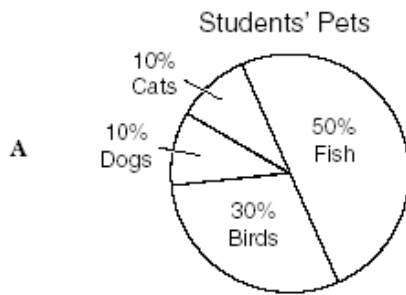
(C) construct circle graphs, bar graphs, and histograms, [with and] without technology.

3 Mr. Dansiger surveyed the students in his science classes about the type and number of pets they owned. The table shows the results of the survey.

Students' Pets

Type of Pet	Cat	Dog	Bird	Fish
Number of Pets	30	90	30	150

Which circle graph best represents the type and number of pets reported by students in the survey?



8-Objective 5

(8.13) Probability and statistics. The student evaluates predictions and conclusions based on statistical data. The student is expected to

(A) evaluate methods of sampling to determine validity of an inference made from a set of data;

4 Lily surveyed all the members of the middle school band about their favorite class this semester. The results are shown in the table below.

Favorite Class

Class	Number of Students
Band	18
English	9
Math	12
Science	15

From these results, Lily concluded that band was the favorite class among all the students at her school. Which is the best explanation for why her conclusion might not be valid?

- F The survey should have been done each day for a week.
- G The sample was not representative of all the students at the school.
- H The survey should have been done with eighth-grade students only.
- J The band meets only 3 days a week.

(8.11) Probability and statistics. The student applies concepts of theoretical and experimental probability to make predictions. The student is expected to

(B) use theoretical probabilities and experimental results to make predictions and decisions.

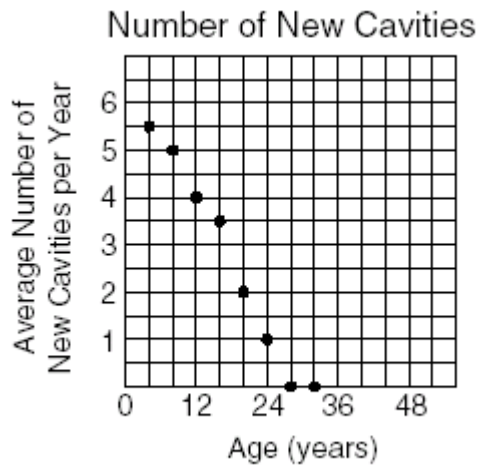
8 The results of a random survey showed that 42 out of 80 people plan to vote for Mr. Vu for city council. Which is the best prediction of the total number of votes he will receive if 2,000 people vote?

- F 25
- G 50
- H 120
- J 1,000

8-Objective 5

8.12(B) draw conclusions and make predictions by analyzing trends in scatterplots;

14 A dentist kept a record of the number of new cavities his patients had per year for the last 10 years. The scatterplot below shows the average number of new cavities per year for patients in the 4- to 32-year age range.



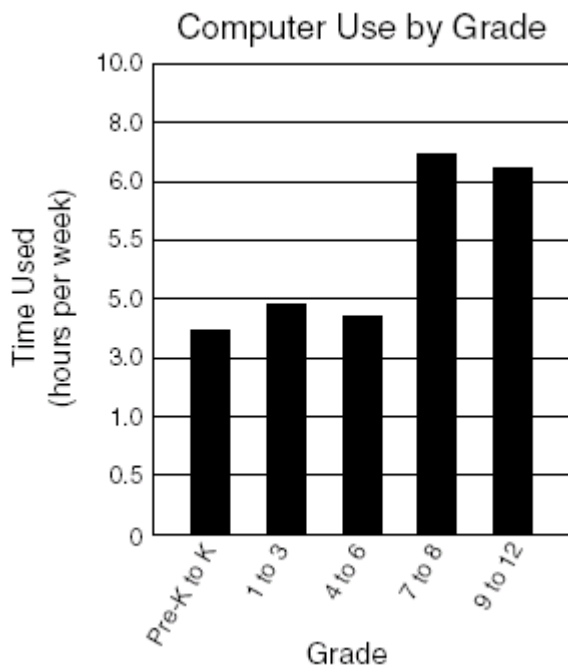
Which description best represents the relationship of the dentist's data?

- F** Negative trend
- G** No trend
- H** Positive trend
- J** Cannot be determined

8-Objective 5

8.13(B) recognize misuses of graphical or numerical information and evaluate predictions and conclusions based on data analysis.

16 The bar graph shows the average number of hours per week that students in different grades use computers.



Which statement best explains why a person reading the graph might get an incorrect idea about the differences in the number of hours computers are used by students in the grades shown?

- F** The title of the graph is misleading.
- G** The grade intervals do not show how much time college students use computers.
- H** The vertical scale should show minutes of computer use instead of hours.
- J** The intervals on the vertical scale are not consistent.

8-Objective 5

8.12(A) select the appropriate measure of central tendency to describe a set of data for a particular purpose;

17 The following table shows the number of pages in novels that Chloe read for pleasure each month during the school year.

Chloe's Novel Reading

Month	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April
Number of Pages Read	370	393	380	376	396	372	385	391

If Chloe read only 125 pages during the month of May, which measure of data changed the most?

- A The mean
- B The median
- C The mode
- D All measures were affected equally.

8.11(A) find the probabilities of compound events (dependent and independent);

22 A spinner and a fair number cube are used in a game. The spinner has an equal chance of landing on 1 of 4 colors: red, purple, blue, or green. The faces of the cube are labeled 1 through 6. What is the probability of a player spinning the color red and then rolling a 5 or 6?

F $\frac{3}{10}$

G $\frac{1}{8}$

H $\frac{1}{12}$

J $\frac{1}{24}$

8-Objective 5

(8.13) Probability and statistics. The student evaluates predictions and conclusions based on statistical data. The student is expected to

(B) recognize misuses of graphical or numerical information and evaluate predictions and conclusions based on data analysis.

41 A clothing store surveyed 100 boys aged 12 to 16 about their preferred T-shirt colors. The results are shown in the table.

T-Shirt Colors

Color	Frequency
Purple	35
Orange	45
Green	15
Yellow	5

If the store uses only these data to order T-shirts, which conclusion best reflects the data collected?

- A More than half of each order should be orange T-shirts.
- B More than half of each order should be purple T-shirts and orange T-shirts.
- C Only purple T-shirts and orange T-shirts should be ordered.
- D About a third of the order should be green T-shirts and yellow T-shirts.

8-Objective 6: The student will demonstrate an understanding of the mathematical processes and tools used in problem solving.

(8.14) Underlying processes and mathematical tools. The student applies Grade 8 mathematics to solve problems connected to everyday experiences, investigations in other disciplines, and activities in and outside of school. The student is expected to

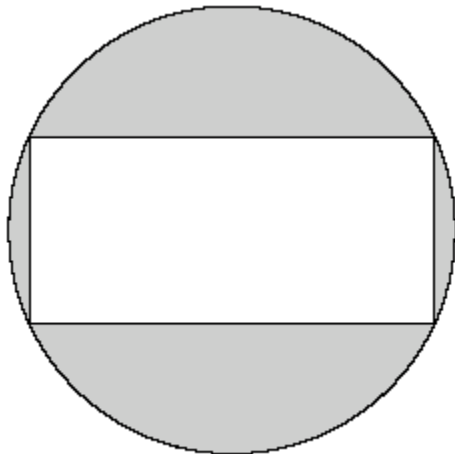
(B) use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness;

5 The Stars, the Tigers, and the Lobos scored a total of 56 goals during the hockey season. The Stars scored 4 more goals than the Tigers, and the Lobos scored twice as many goals as the Tigers. Which is a reasonable conclusion about the goals the teams scored?

- A The Stars scored the least number of goals.
- B The Stars and the Lobos scored an equal number of goals.
- C The Tigers scored exactly half the total goals.
- D The Lobos scored the greatest number of goals.

8.14(C) select or develop an appropriate problem-solving strategy from a variety of different types, including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a simpler problem, or working backwards to solve a problem.

6 The figure shows a rectangle inside a circle.



Which procedure should be used to find the area of the shaded region?

- F Find the area of the circle and then subtract the area of the rectangle.
- G Find the circumference of the circle and then subtract the perimeter of the rectangle.
- H Find the circumference of the circle and then subtract the area of the rectangle.
- J Find the area of the rectangle and then subtract the perimeter of the rectangle.
for why her conclusion might not be valid?

8-Objective 6

(8.15) Underlying processes and mathematical tools. The student communicates about Grade 8 mathematics through informal and mathematical language, representations, and models. The student is expected to

(A) communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models.

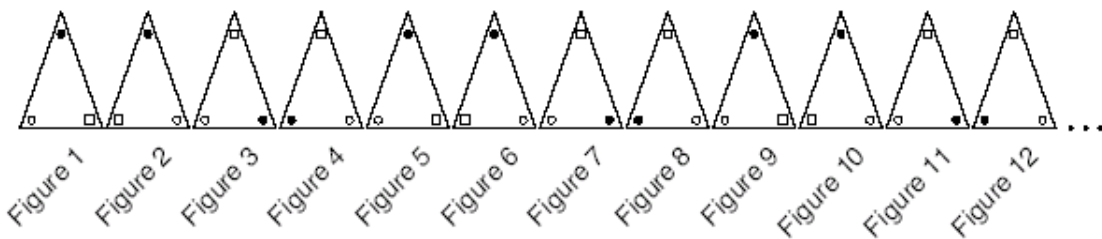
18 Before the last game of the basketball season, Fernando had scored a total of 73 points. He scored 20 points in the last game, making his season average 15.5 points per game. To find the total number of games he played, first find the sum of 73 and 20 and then —

- F** add the sum to 15.5
- G** subtract 15.5 from 73
- H** multiply the sum by 15.5
- J** divide the sum by 15.5

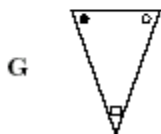
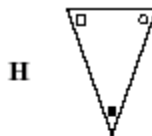
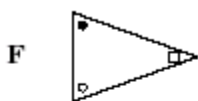
8.16) Underlying processes and mathematical tools. The student uses logical reasoning to make conjectures and verify conclusions. The student is expected to

(A) make conjectures from patterns or sets of examples and nonexamples;

20 The figures below have a repeating pattern.



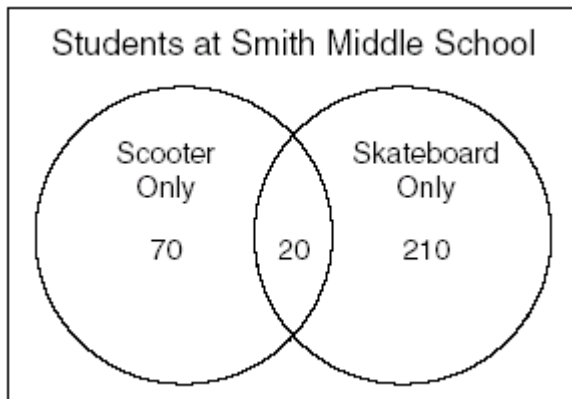
Which shows a 180° rotation of the 19th figure in the pattern?



8-Objective 6

8.14(A) identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics;

25 The Venn diagram shows how many of the 400 students at Smith Middle School have a scooter only, a skateboard only, or both a scooter and a skateboard.



Use the information in the diagram to find the probability that 1 student chosen at random has neither a scooter nor a skateboard.

- A $\frac{1}{20}$
- B $\frac{1}{4}$
- C $\frac{7}{10}$
- D $\frac{3}{4}$

8-Objective 6

8.14(B) use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness;

33 There are 4 children in the Carter family.
Roger is $1\frac{1}{4}$ times as tall as Charlie. John is 3 inches taller than Roger. Grace is 58 inches tall, and she is 2 inches taller than Charlie.
How tall is John in feet and inches?

A 5 ft 3 in.

B 5 ft 10 in.

C 6 ft $\frac{1}{2}$ in.

D 6 ft 1 in.

8.14(B) use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness;

35 Antonio and his two brothers equally shared the cost of a new CD with a list price of \$18. They received a 20% discount off the list price and paid 8.25% sales tax on the discounted price. Find the approximate amount that each of the 3 brothers paid toward the cost of the CD.

A \$4.80

B \$5.20

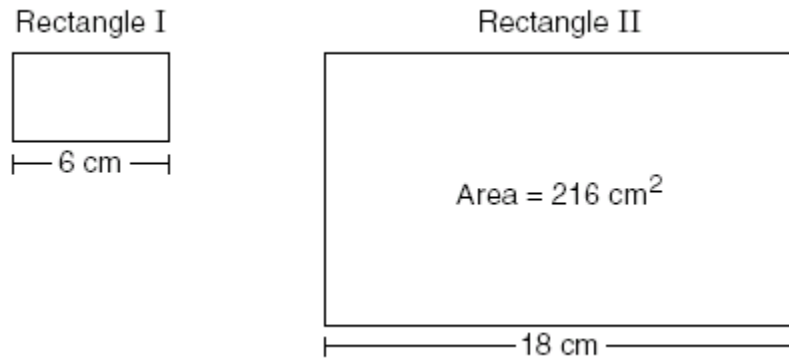
C \$6.50

D \$15.59

8-Objective 6

8.14(B) use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness;

39 Rectangle I is similar to rectangle II.

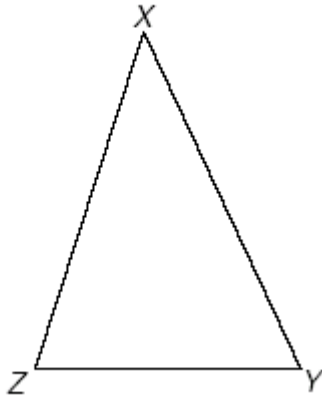


The area of rectangle II is 216 square centimeters. Find the area of rectangle I.

- A 4 cm^2
- B 12 cm^2
- C 24 cm^2
- D 108 cm^2

8-Objective 6

8.16(B) validate his/her conclusions using mathematical properties and relationships.



44 The following statements are true about $\triangle XYZ$.

- The measure of each angle is evenly divisible by 12.
- The measure of $\angle Z$ is greater than the measure of $\angle Y$.
- The measure of $\angle Y$ is greater than the measure of $\angle X$.
- The measure of $\angle X$ is greater than 40° .

Which choice fits all 4 statements for angles X , Y , and Z ?

F $m\angle X = 72^\circ$
 $m\angle Y = 60^\circ$
 $m\angle Z = 48^\circ$

G $m\angle X = 60^\circ$
 $m\angle Y = 72^\circ$
 $m\angle Z = 48^\circ$

H $m\angle X = 50^\circ$
 $m\angle Y = 60^\circ$
 $m\angle Z = 70^\circ$

J $m\angle X = 48^\circ$
 $m\angle Y = 60^\circ$
 $m\angle Z = 72^\circ$

8-Objective 6

8.14(A) identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics;

48 A camp leader plans to buy 3 hot dogs per person for a cookout. If 30 people are going on the cookout and if hot dogs cost \$3.99 per package, what other information is needed to find the cost of the hot dogs?

- F** The number of meals at which hot dogs will be served
- G** The cost of mustard and relish
- H** The number of people who eat hot dogs
- J** The number of hot dogs in a package

Texas Assessment of Knowledge and Skills - Answer Key

Grade: 08
 Subject: Mathematics
 Administration: Spring 2003

Item Number	Correct Answer	Objective Measured	Student Expectations
01	A	02	8.4 (A)
02	G	01	8.1 (B)
03	D	05	8.12 (C)
04	G	05	8.13 (A)
05	D	06	8.14 (B)
06	F	06	8.14 (C)
07	B	04	8.9 (B)
08	J	05	8.11 (B)
09	B	01	8.2 (A)
10	J	03	8.6 (B)
11	A	01	8.2 (C)
12	G	02	8.5 (A)
13	D	03	8.7 (B)
14	F	05	8.12 (B)
15	C	02	8.3 (B)
16	J	05	8.13 (B)
17	A	05	8.12 (A)
18	J	06	8.15 (A)
19	C	04	8.9 (A)
20	G	06	8.16 (A)
21	238.22	01	8.2 (B)
22	H	05	8.11 (A)
23	B	04	8.8 (A)
24	H	01	8.2 (B)
25	B	06	8.14 (A)
26	H	01	8.2 (C)
27	A	02	8.3 (B)
28	G	04	8.8 (C)
29	D	02	8.5 (B)
30	G	01	8.1 (C)
31	C	03	8.6 (A)
32	J	02	8.3 (A)
33	D	06	8.14 (B)
34	F	03	8.7 (D)
35	B	06	8.14 (B)
36	G	02	8.5 (B)
37	C	03	8.7 (C)
38	G	04	8.10 (B)
39	C	06	8.14 (B)
40	J	02	8.5 (A)
41	B	05	8.13 (B)
42	J	01	8.1 (A)
43	A	03	8.6 (B)
44	J	06	8.16 (B)
45	B	01	8.1 (B)
46	F	01	8.1 (D)
47	B	02	8.4 (A)
48	J	06	8.14 (A)
49	B	02	8.3 (A)
50	F	03	8.7 (A)