

Texas Assessment of Knowledge and Skills

Grade: 07

Subject: Mathematics

Administration: Spring 2003

Note: Measurement questions may have had scales altered.

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

(7.2) Number, operation, and quantitative reasoning. The student adds, subtracts, multiplies, or divides to solve problems and justify solutions. The student is expected to

(A) represent multiplication and division situations involving fractions and decimals with [concrete] models, pictures, words, and numbers;

1 The table shows the distance Pedro jogged each day last week.

Distance Jogged

Day	Distance (miles)
Monday	2.3
Tuesday	$1\frac{3}{4}$
Wednesday	$2\frac{1}{2}$
Thursday	2
Friday	1.8
Saturday	2.6
Sunday	$1\frac{3}{4}$

What was the total distance Pedro jogged last week?

- A 8.7 mi
- B 11 mi
- C 14.7 mi
- D 16 mi

7-Objective 1

7.1(B) convert between fractions, decimals, whole numbers, and percents mentally, on paper, [or with a calculator];

3 Conner's parents asked him to save $\frac{2}{5}$ of his allowance each week to help pay for summer camp. What percent of his allowance did Conner's parents ask him to save?

- A 25%
- B 35%
- C 40%
- D 60%

(7.2) Number, operation, and quantitative reasoning. The student adds, subtracts, multiplies, or divides to solve problems and justify solutions. The student is expected to

(A) represent multiplication and division situations involving fractions and decimals with [concrete] models, pictures, words, and numbers;

10 Which expression can be used to find the maximum number of 0.2-meter lengths of rope that can be cut from a 6.5-meter length of rope?

- F $0.2 \div 6.5$
- G $0.2 + 6.5$
- H $6.5 \div 0.2$
- J 6.5×0.2

7.2(C) use models to add, subtract, multiply, and divide integers and connect the actions to algorithms;

19 During a week in December in Anchorage, Alaska, the daily high temperatures were 20°F , 18°F , -10°F , 15°F , -15°F , 25°F , and 11°F . Which expression can be used to find the average daily high temperature during that week?

- A $(20 + 18 + 10 + 15 + 15 + 25 + 11) \div 7$
- B $20 + 18 + 10 + 15 + 15 + 25 + 11 \div 7$
- C $[20 + 18 + (-10) + 15 + (-15) + 25 + 11] \div 7$
- D $20 + 18 + (-10) + 15 + (-15) + 25 + 11 \div 7$

7-Objective 1

7.1(A) compare and order integers and positive rational numbers;

26 The fraction $\frac{5}{8}$ is found between which pair of fractions on a number line?

F $\frac{8}{16}$ and $\frac{21}{32}$

G $\frac{9}{16}$ and $\frac{19}{32}$

H $\frac{10}{16}$ and $\frac{24}{32}$

J $\frac{11}{16}$ and $\frac{24}{32}$

7.2(E) simplify numerical expressions involving order of operations and exponents;

30 What is the value of the expression $(3 + 3)^2 \div 6 - 2 \times 4$?

F -18

G -2

H 0

J 16

7.2(D) use division to find unit rates and ratios in proportional relationships such as speed, density, price, recipes, and student-teacher ratio;

34 A recipe that makes 18 cookies calls for $\frac{3}{4}$ cup of sugar. How much sugar is needed to make 2 dozen cookies using this recipe?

F $\frac{3}{8}$ c

G 1 c

H $1\frac{1}{3}$ c

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

7-Objective 1

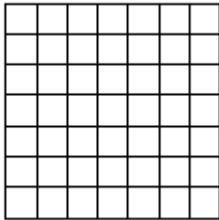
7.2(F) select and use appropriate operations to solve problems and justify the selections;

37 Mrs. Gutiérrez bought 2 dozen cans of soda priced at 6 cans for \$1.98 and 18 bottles of water priced at 6 bottles for \$2.16. What is the total amount she spent, not including tax, on soda and bottled water?

- A \$6.48
- B \$7.92
- C \$14.40
- D \$16.56

7.1(C) represent squares and square roots using geometric models.

39 The model below represents $\sqrt{49} = 7$.



Which arrangement of small squares can be used to model a large square that represents $\sqrt{196}$?

- A 4 rows of 49 squares
- B 6 rows of 36 squares
- C 12 rows of 12 squares
- D 14 rows of 14 squares

7.2(G) determine the reasonableness of a solution to a problem.

48 A bowler scored between 195 points and 215 points per game. Which is the best estimate of the total points she scored in 8 games?

- F From 1,350 to 1,550
- G From 1,550 to 1,750
- H From 1,750 to 1,950
- J From 1,950 to 2,150

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

(7.4) Patterns, relationships, and algebraic thinking. The student represents a relationship in numerical, geometric, verbal, and symbolic form. The student is expected to

(A) generate formulas involving conversions, perimeter, area, circumference, volume, and scaling;

6 Which of the following CANNOT be used to find the perimeter of a square with side length s ?

F $s + s + s + s$

G $2s + 2s$

H $4s$

J $s \times s$

7.4(A) generate formulas involving conversions, perimeter, area, circumference, volume, and scaling;

15 Art's Department Store is having a sale. The table shows the regular price, r , and the sale price, s , of several items.

Sale Prices

Item	Regular Price (r)	Sale Price (s)
A	\$5.00	\$2.50
B	\$7.00	\$3.50
C	\$10.00	\$5.00
D	\$12.00	\$6.00

Which formula can be used to calculate the sale price?

A $s = r - 2.5$

B $s = r \times 2.0$

C $s = r \times 0.5$

D $s = r - 0.5$

7-Objective 2

(7.5) Patterns, relationships, and algebraic thinking. The student uses equations to solve problems. The student is expected to

(B) formulate a possible problem situation when given a simple equation.

16 Which problem situation matches the equation below?

$$15x = 120$$

- F** Chang collected 120 foreign postage stamps last year. He gave 15% of them to friends. What is x , the number of stamps Chang did not give away?
- G** Cece exercised 120 minutes each day for 15 days last month. What is x , the total number of hours Cece exercised last month?
- H** Demetria drove a total of 120 miles this week. She drove 15 miles more this week than she drove last week. What is x , the number of miles Demetria drove last week?
- J** Adam charges \$15 per hour for labor to repair lawn mowers. What is x , the number of hours Adam worked if he charged \$120 for labor?

(7.3) Patterns, relationships, and algebraic thinking. The student solves problems involving proportional relationships. The student is expected to

(A) estimate and find solutions to application problems involving percent;

17 The cost of Matt and Natalie's dinner was \$27.35. They want to leave a 20% tip. Which of the following is closest to the amount of the tip they want to leave?

- A** \$4.00
- B** \$4.50
- C** \$5.00
- D** \$5.50

7-Objective 2

7.3(B) estimate and find solutions to application problems involving proportional relationships such as similarity, scaling, unit costs, and related measurement units.

28 The prices of 3 different bottles of shampoo are given in the table.

Shampoo Prices

Bottle Size (ounces)	Price
20	\$7.18
15	\$4.73
10	\$3.58

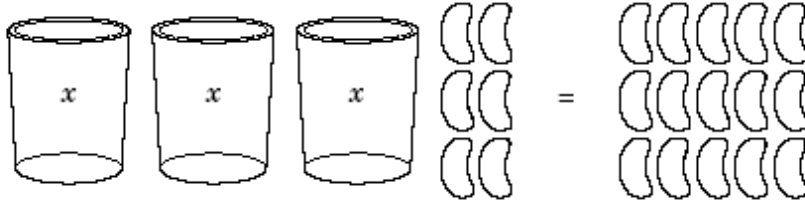
Which size bottle of shampoo has the lowest price per ounce?

- F** The 20-oz bottle only
- G** The 15-oz bottle and the 20-oz bottle
- H** The 15-oz bottle only
- J** The 10-oz bottle and the 15-oz bottle

7-Objective 2

7.5(A) use [concrete] models to solve equations and use symbols to record the actions;

31 The model below represents the equation $3x + 6 = 15$.



What is the first step in finding the value of x ?

- A Divide the beans equally among the 3 cups
- B Add 15 beans to each side of the model
- C Add 6 beans to each side of the model
- D Subtract 6 beans from each side of the model

7.3(A) estimate and find solutions to application problems involving percent;

32 A company published 110 books last year, and 8 of them became best-sellers. Which best represents the percent of books the company published last year that did NOT become best-sellers?

- F 7%
- G 8%
- H 93%
- J 102%

7-Objective 2

7.4(C) describe the relationship between the terms in a sequence and their positions in the sequence.

35 Which description shows the relationship between a term and n , its position in the sequence?

Position	1	2	3	4	5	n
Value of Term	1	4	7	10	13	

- A Add 3 to n
- B Multiply n by 2 and then subtract 3
- C Multiply n by 2 and then add 3
- D Multiply n by 3 and then subtract 2

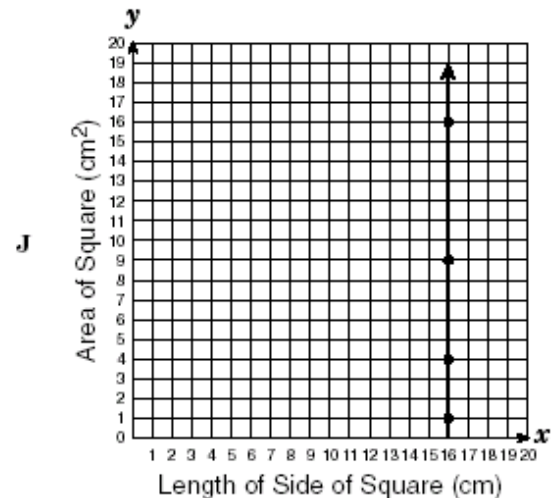
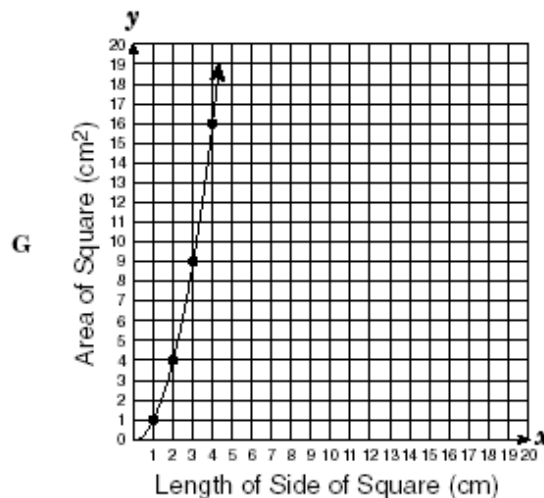
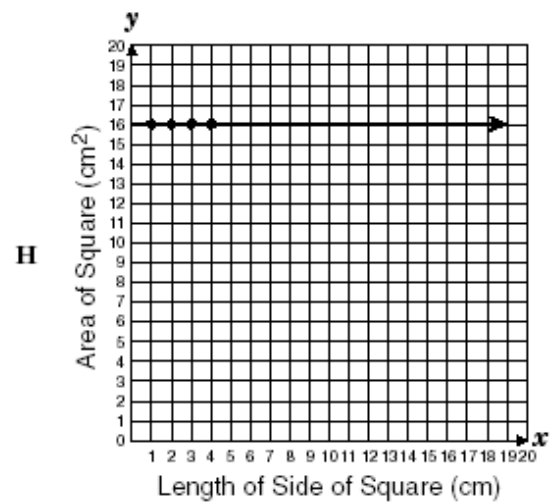
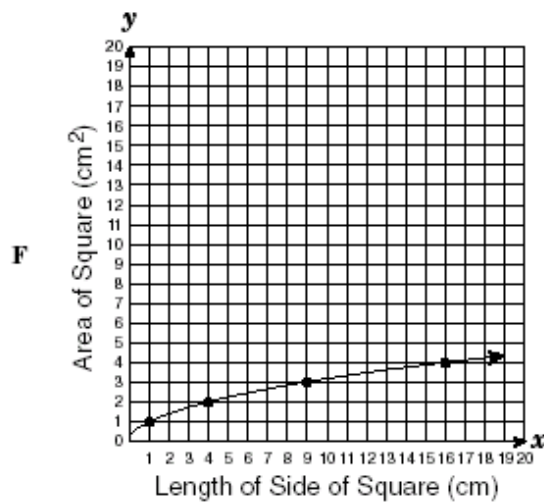
7-Objective 2

7.4(B) graph data to demonstrate relationships in familiar concepts such as conversions, perimeter, area, circumference, volume, and scaling;

36. The data in the table below represent the relationship between the length of a side of a square in centimeters, x , and the area of a square in centimeters squared, y .

Length of side, x (cm)	Area, y (cm ²)
1	1
2	4
3	9
4	16

Which graph best represents the data in the table above?



7-Objective 2

7.3(B) estimate and find solutions to application problems involving proportional relationships such as similarity, scaling, unit costs, and related measurement units.

45 Patrick drew a map of his neighborhood. He used a scale in which 1 inch equals 2 miles. What distance on Patrick's map should represent the 1.5 miles between his house and the nearest gas station?

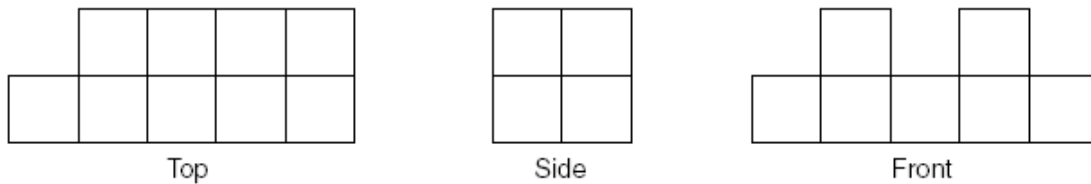
- A** 0.3 in.
- B** 0.75 in.
- C** 1.3 in.
- D** 3 in.

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

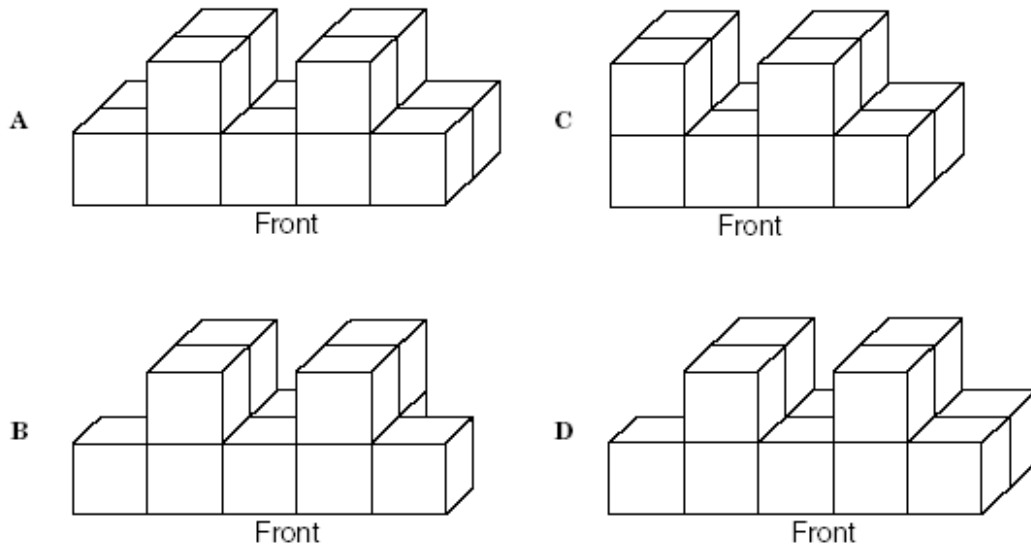
(7.8) Geometry and spatial reasoning. The student uses geometry to model and describe the physical world. The student is expected to

(A) sketch a solid when given the top, side, and front views;

5 The top, side, and front views of a solid figure made of cubes are shown below.



Which solid figure matches the views above?



(7.6) Geometry and spatial reasoning. The student compares and classifies shapes and solids using geometric vocabulary and properties. The student is expected to

(A) use angle measurements to classify pairs of angles as complementary or supplementary;

13 If $\angle T$ and $\angle U$ are supplementary and the measure of $\angle T$ is 70° , what is the measure of $\angle U$?

- A 110°
- B 70°
- C 20°
- D 10°

7-Objective 3

7.6(D) use critical attributes to define similarity.

22 If the corresponding angles of 2 polygons are congruent and the lengths of the corresponding sides of the polygons are proportional, the polygons are —

- F** regular
- G** congruent
- H** symmetric
- J** similar

7.6(C) use properties to classify solids, including pyramids, cones, prisms, and cylinders;

29 Which of the following has 2 parallel bases that are not polygons?

- A** Cone
- B** Prism
- C** Pyramid
- D** Cylinder

7.6(B) use properties to classify shapes including triangles, quadrilaterals, pentagons, and circles;

40 Which statement is always true about an equilateral triangle?

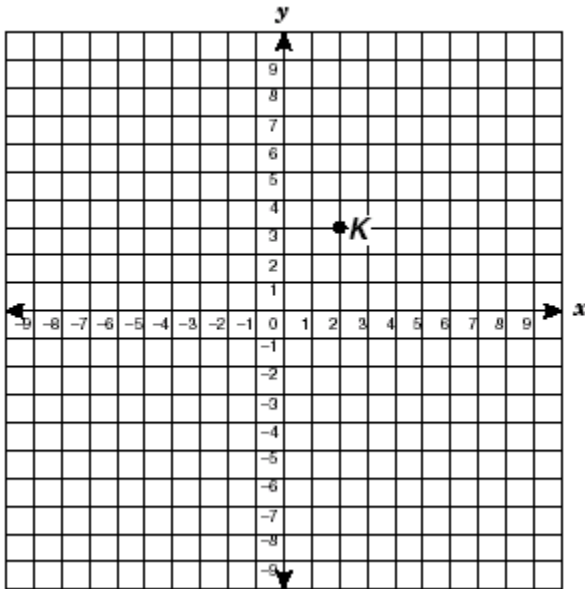
- F** It has 3 congruent angles.
- G** It has 1 right angle.
- H** It has exactly 2 congruent sides.
- J** The sum of any 2 angles is 180° .

7-Objective 3

(7.7) Geometry and spatial reasoning. The student uses coordinate geometry to describe location on a plane. The student is expected to

(A) locate and name points on a coordinate plane using ordered pairs of integers;

44 If point K is translated 4 units to the left and 3 units down, what will point K 's new coordinates be?

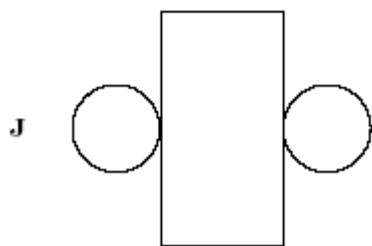
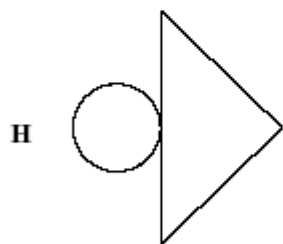
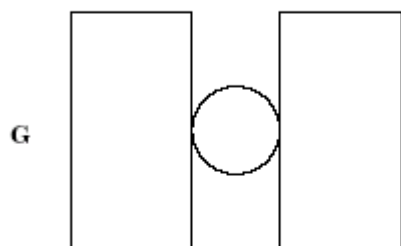
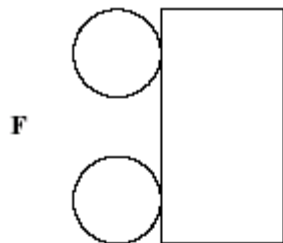


- F $(-2, 0)$
- G $(-1, -1)$
- H $(6, 0)$
- J $(5, -1)$

7-Objective 3

7.8(B) make a net (two-dimensional model) of the surface area of a solid;

46 Which net can be used to make a cylinder?

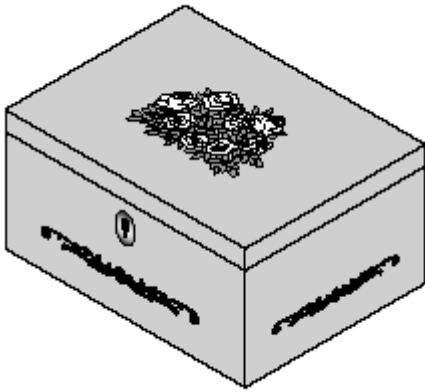


7-Objective 4: The student will demonstrate an understanding of the concepts and uses of measurement.

(7.9) Measurement. The student solves application problems involving estimation and measurement. The student is expected to

(A) estimate measurements and solve application problems involving length (including perimeter and circumference), area, and volume.

9 A jewelry box is shown below. Use the ruler on the Mathematics Chart to measure the dimensions of the jewelry box in centimeters.



Which best represents the volume of the jewelry box?

- A 6 cm^3
- B 9 cm^3
- C 14 cm^3
- D 24 cm^3

7-Objective 4

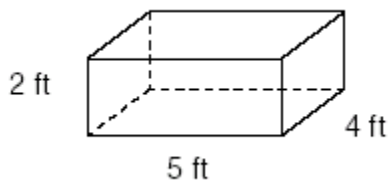
7.9(A) estimate measurements and solve application problems involving length (including perimeter and circumference), area, and volume.

14 Kira drew a circle with a radius of 20 inches and another circle with a radius of 10 inches. What is the approximate difference between the areas of the 2 circles?

- F** 300 in.²
- G** 314 in.²
- H** 942 in.²
- J** 1,256 in.²

7.9(A) estimate measurements and solve application problems involving length (including perimeter and circumference), area, and volume.

21 Mr. McCrea is building a toy box like the one shown below.



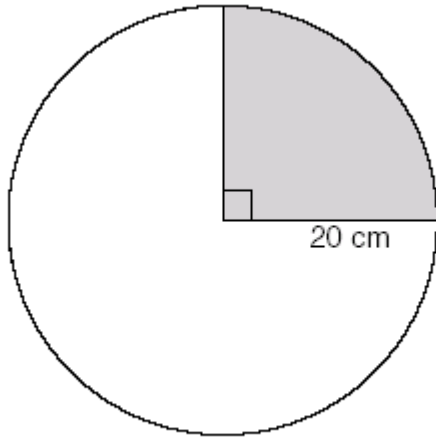
What is the volume of the toy box in cubic feet?

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

7-Objective 4

7.9(A) estimate measurements and solve application problems involving length (including perimeter and circumference), area, and volume.

25 Margarita traces a circle with a radius of 20 centimeters like the one shown below. She will color in the shaded region.



What is the approximate area of the shaded region?

- A 90 cm^2
- B 270 cm^2
- C 314 cm^2
- D $1,256 \text{ cm}^2$

7-Objective 4

7.9(A) estimate measurements and solve application problems involving length (including perimeter and circumference), area, and volume.

33 Cassie draws the following 4 figures.

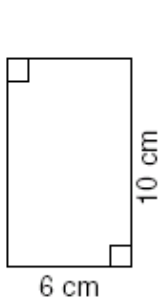


Figure I

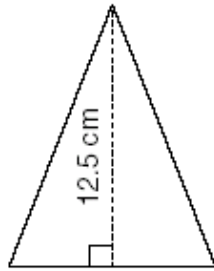


Figure II

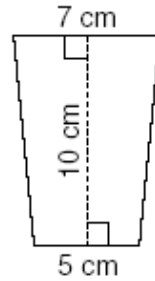


Figure III

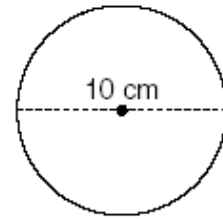


Figure IV

Which 2 figures have the same area?

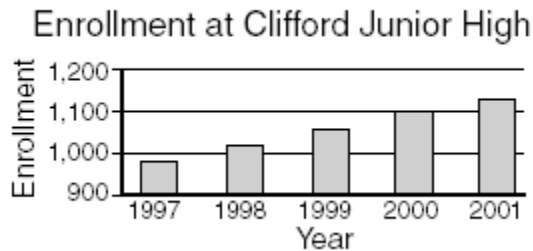
- A Figure I and Figure II
- B Figure I and Figure III
- C Figure II and Figure III
- D Figure II and Figure IV

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

(7.11) Probability and statistics. The student understands that the way a set of data is displayed influences its interpretation. The student is expected to

(B) make inferences and convincing arguments based on an analysis of given or collected data.

7 The enrollment at Clifford Junior High from 1997 through 2001 is shown below.



If the enrollment trend shown in the table continues, which is the best prediction of the enrollment at Clifford Junior High in 2004?

- A** Fewer than 1,100
- B** Between 1,200 and 1,300
- C** Between 1,400 and 1,500
- D** More than 1,500

7-Objective 5

7.12) Probability and statistics. The student uses measures of central tendency and range to describe a set of data. The student is expected to

(B) choose among mean, median, mode, or range to describe a set of data and justify the choice for a particular situation.

12 Mr. Gordon asked 39 students how many times they used the dictionary last week in his class. The responses are shown in the table.

Dictionary Use

Number of Times Used	Number of Students
5	3
6	5
7	7
8	12
9	8
10	4

Which measure of the data represents the most common number of times the students used the dictionary?

- F Mean
- G Median
- H Mode
- J Range

7-Objective 5

7.11(B) make inferences and convincing arguments based on an analysis of given or collected data.

18 At Kingston Junior High School, 200 students were asked to name a career they would like to pursue. The results are shown in the table below.

Career Choice

Career	Number of Students
Actor/actress	30
Athlete	40
Business executive	70
Pilot	20
Politician	10
Musician	22
Teacher	8

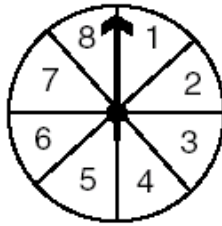
Which of the following statements is supported by data in the table?

- F** More than 25% of the students would like to pursue a career in acting or music.
- G** The least number of students chose teaching because of the college preparation required.
- H** The mode of the data is 30.
- J** Exactly 10% of the students would like to pursue a career in politics.

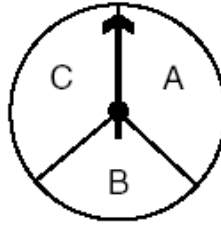
7-Objective 5

(7.10) Probability and statistics. The student recognizes that a physical or mathematical model can be used to describe the probability of real-life events. The student is expected to

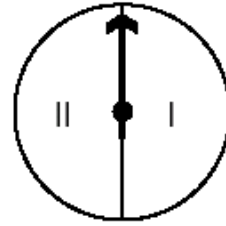
24 Lily played a game where she spun each of the spinners shown below once.



Spinner 1



Spinner 2



Spinner 3

Which choice shows all the possible unique combinations of an odd number on Spinner 1, an A or a B on Spinner 2, and a II on Spinner 3?

Possible Outcomes

Spinner 1	Spinner 2	Spinner 3
1	A	II
2	B	II
3	A	II
4	B	II
5	A	II
6	B	II
7	A	II
8	B	II

F

Possible Outcomes

Spinner 1	Spinner 2	Spinner 3
1	A	II
3	B	II
5	A	II
7	B	II
1	A	II
3	B	II
5	A	II
7	B	II

H

Possible Outcomes

Spinner 1	Spinner 2	Spinner 3
1	A	II
3	A	II
5	A	II
7	A	II
1	B	II
3	B	II
5	B	II
7	B	II

G

Possible Outcomes

Spinner 1	Spinner 2	Spinner 3
1	A	I
3	A	II
5	A	I
7	A	II
1	B	I
3	B	II
5	B	I
7	B	II

J

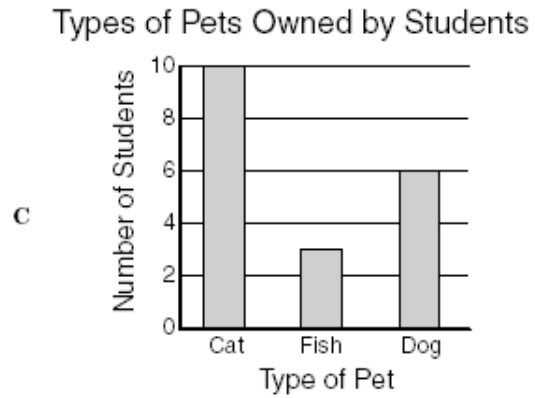
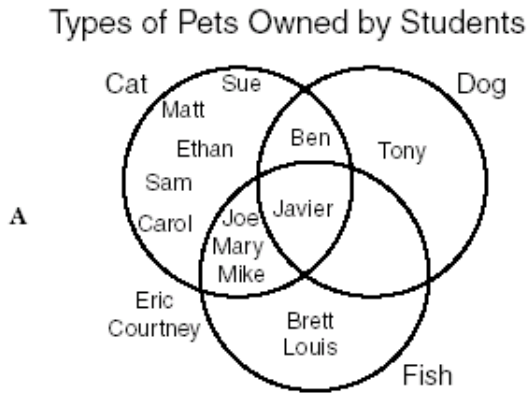
7-Objective 5

27 In which data set are the mean, median, mode, and range all the same number?

- A {1, 2, 3, 3, 2, 1, 2}
- B {1, 2, 3, 1, 2, 3, 1}
- C {1, 3, 3, 3, 2, 3, 1}
- D {2, 2, 1, 2, 3, 2, 3}

7.11(A) select and use an appropriate representation for presenting collected data and justify the selection;

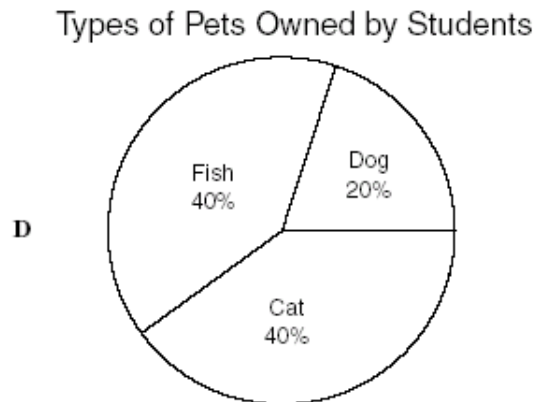
41 Aaron polled 15 classmates to find out what kinds of pets they have. Which of the following gives the most detailed information about individual students and their pets?



B

Types of Pets Owned by Students

Type of Pet	Number of Students
Cat	10
Fish	6
Dog	3



7-Objective 5

7.12(A) describe a set of data using mean, median, mode, and range;

42 The table below shows what 7 students charge per hour for tutoring.

Tutoring Fees

Tutor	Fee per Hour
Lee	\$3.25
Mick	\$4.50
Andreas	\$4.00
Cyndi	\$4.50
Dirk	\$3.75
Glenda	\$4.75
Kristen	\$4.25

What is the median fee per hour for tutoring by these students?

- F** \$1.50
- G** \$4.15
- H** \$4.25
- J** \$4.50

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

7.14) Underlying processes and mathematical tools. The student communicates about Grade 7 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.

2 Which expression can be used to solve the problem below?

To cater a luncheon, a hotel charges \$50 per hour for use of a dining room plus \$24.50 per person. What is the total cost for a 2-hour luncheon for 45 people?

- F $2 \times 50 + 24.50 + 45$
- G $2 \times 50 + 24.50 \times 45$
- H $2 \times 24.50 + 50 \times 45$
- J $2 \times 45 + 50 \times 24.50$

(7.13) Underlying processes and mathematical tools. The student applies Grade 7 mathematics to solve problems connected to everyday experiences, investigations in other disciplines, and activities in and outside of school. The student is expected to

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

4 Susan has 3 siblings: Ted, Kathy, and Jake. Susan is older than Jake. Ted is younger than both his sisters but older than his brother.

What information is needed to determine the order of the siblings from oldest to youngest?

- F Is Kathy older or younger than Ted?
- G Is Jake older or younger than Susan?
- H Is Susan older or younger than Kathy?
- J Is Ted older or younger than Jake?

7-Objective 6

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

8 The net profit of a company for each of 5 consecutive years is shown in the table.

Company Profit

Year	Net Profit (millions of dollars)
1984	12.5
1985	14.6
1986	13.1
1987	14.5
1988	12.2

Which statement is supported by the information in the table?

- F** The net profit in 1987 was 20% greater than the net profit in 1986.
- G** The greatest increase in net profit for 2 consecutive years occurred from 1984 to 1985.
- H** The greatest decrease in net profit for 2 consecutive years occurred from 1985 to 1986.
- J** The sum of the net profits for 1984 and 1985 was greater than the sum of the net profits for 1986 and 1987.

7-Objective 6

(7.15) 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;

11 Mrs. Cotera wants to estimate the monthly operating expenses for the car she just bought, not including maintenance and repairs. Insurance will cost about \$200 per month, and Mrs. Cotera expects to drive an average of 225 miles per week. What additional information does she need to estimate her monthly operating expenses?

- A The cost of fuel and the one-way distance to work
- B The cost of fuel and the number of miles per gallon her car gets
- C The cost of fuel and her weekly take-home pay
- D The number of gallons of fuel needed per week

7.13(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.

20 Jeffrey spent $\frac{1}{2}$ of his Saturday earnings on a pair of shoes and $\frac{1}{2}$ of the remaining amount on a CD. After he spent \$5.35 on lunch, he had \$10.85 left. How much did Jeffrey earn on Saturday?

- F \$32.25
- G \$36.45
- H \$60.40
- J \$64.80

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

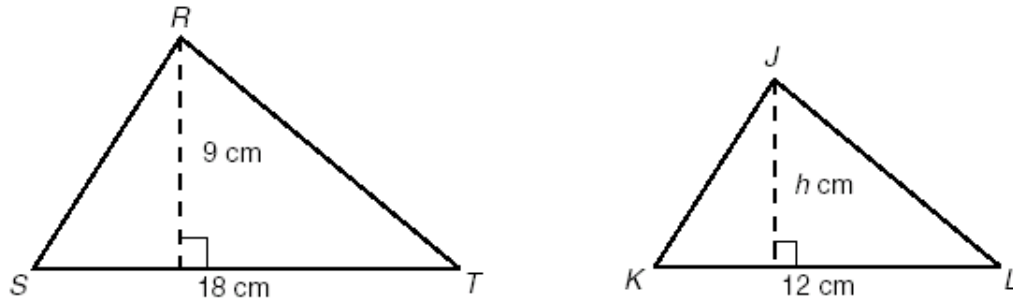
23 Pilar spends a total of 60 hours per week at school and at her job. She attends school from 8:45 A.M. until 3:45 P.M., Monday through Friday. Which equation can be used to find t , the maximum number of hours Pilar works at her job each week?

- A $t = 60 - (5 \times 7)$
- B $t = 60 - (5 \times 8)$
- C $t = 60 - 7 + 7 + 7 + 7 + 7$
- D $t = 5 \times 7 - 60$

7-Objective 6

7.13(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.

38 $\triangle RST$ and $\triangle JKL$ are similar.



Which choice shows the equations that can be used to find the area of $\triangle JKL$?

- F First use $\frac{9}{18} = \frac{h}{12}$ and then use area = $\frac{1}{2}(12h)$
- G First use $\frac{9}{18} = \frac{h}{12}$ and then use area = $12h$
- H First use $\frac{9}{18} = \frac{12}{h}$ and then use area = $\frac{1}{2}(12h)$
- J First use $\frac{9}{18} = \frac{12}{h}$ and then use area = $12h$

7-Objective 6

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

43 Luis is in charge of making props for a school play. He needs to make a large circular wooden clock that measures about 6 feet in circumference. Which equation can he use to find r , the radius of the clock?

A $r = \frac{6}{\pi}$

B $r = \frac{12}{\pi}$

C $r = \frac{6}{2\pi}$

D $r = \frac{12}{2\pi}$

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

47 Mr. Zimmerman started a 6-week exercise program. The first week he jogged 1 mile each day, the second week he jogged $1\frac{1}{4}$ miles each day, and the third week he jogged $1\frac{1}{2}$ miles each day. If the pattern continues, how far will he jog each day of the sixth week?

A $1\frac{1}{4}$ mi

B $2\frac{1}{4}$ mi

C 6 mi

D $9\frac{3}{4}$ mi

Texas Assessment of Knowledge and Skills - Answer Key

Grade: 07
Subject: Mathematics
Administration: Spring 2003

Item Number	Correct Answer	Objective Measured	Student Expectations
01	C	01	7.2 (B)
02	G	06	7.14 (A)
03	C	01	7.1 (B)
04	H	06	7.13 (A)
05	D	03	7.8 (A)
06	J	02	7.4 (A)
07	B	05	7.11 (B)
08	G	06	7.13 (A)
09	D	04	7.9 (A)
10	H	01	7.2 (A)
11	B	06	7.15 (A)
12	H	05	7.12 (B)
13	A	03	7.6 (A)
14	H	04	7.9 (A)
15	C	02	7.4 (A)
16	J	02	7.5 (B)
17	D	02	7.3 (A)
18	F	05	7.11 (B)
19	C	01	7.2 (C)
20	J	06	7.13 (C)
21	40	04	7.9 (A)
22	J	03	7.6 (D)
23	A	06	7.14 (A)
24	G	05	7.10 (A)
25	C	04	7.9 (A)
26	F	01	7.1 (A)
27	A	05	7.12 (A)
28	H	02	7.3 (B)
29	D	03	7.6 (C)
30	G	01	7.2 (E)
31	D	02	7.5 (A)
32	H	02	7.3 (A)
33	B	04	7.9 (A)
34	G	01	7.2 (D)
35	D	02	7.4 (C)
36	G	02	7.4 (B)
37	C	01	7.2 (F)
38	F	06	7.13 (C)
39	D	01	7.1 (C)
40	F	03	7.6 (B)
41	A	05	7.11 (A)
42	H	05	7.12 (A)
43	C	06	7.14 (A)
44	F	03	7.7 (A)
45	B	02	7.3 (B)
46	J	03	7.8 (B)
47	B	06	7.15 (A)
48	G	01	7.2 (G)