

Tucson Unified School District

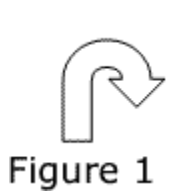
Instructions: It is time to begin. The scores of this test will help teachers plan lessons. Carefully, read each item in the test booklet. Pick the best answer: A, B, C, or D. Use a pencil. Mark your answer on the ANSWER SHEET. Fill in the bracket of your answer choice. Make sure the bracket is completely colored. Erase any extra pencil lines or changed answers. You may write on the test booklet unless your teacher gave you scratch paper. Review and check your answers after you have finished the test.



©Assessment Technology, Incorporated 2010 All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission from the publisher. Printed in the U.S.A

2010-11 TUSD Comp. Math 03 Gr. Pretest

1) Which shows a reflection (flip) of Figure 1 across the line segment?



A)



✓ B)



C)



D)



2) Mr. Roberts brought 200 plates for the picnic. He had 97 plates left over. How many plates were used?

A) 297

B) 113

✓ C) 103

D) 93

2010-11 TUSD Comp. Math 03 Gr. Pretest

- 3) Papa was making pancakes for the children. The recipe included the table below. Papa only wanted to make one batch of pancakes.

How many eggs did Papa need to put in the bowl?

Eggs Per Batch of Pancakes

Batches of Pancakes	Number of Eggs
1	?
2	4
3	6
4	8
5	10

- A) 1
 - ✓ B) 2
 - C) 3
 - D) 4
-

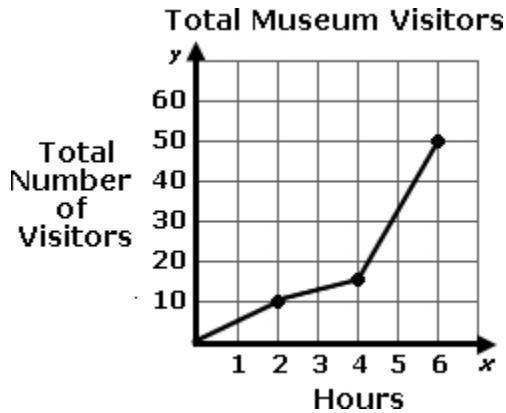
- 4) Which sign goes in the box?

$$\frac{3}{3} \square \frac{2}{3}$$

- ✓ A) >
 - B) <
 - C) =
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

- 5) The graph below represents the number of museum visitors. Which table matches the data in the graph?



- A)

Hours	1	2	3
Number of Visitors	10	20	50
- B)

Hours	2	4	6
Number of Visitors	10	20	50
- C)

Hours	1	2	3
Number of Visitors	10	15	50
- ✓ D)

Hours	2	4	6
Number of Visitors	10	15	50

- 6) Frank traveled 486 miles from his home to Boston for a meeting. He traveled 407 miles from Boston to Bloomington for another meeting. He traveled 194 miles from Bloomington to his home.

About how far did he travel all together?

- A) 200 miles
- B) 700 miles
- C) 900 miles
- ✓ D) 1100 miles

2010-11 TUSD Comp. Math 03 Gr. Pretest

- 7) The table below shows the high temperatures for 35 days in the town of Niceville.

How many more days was the temperature between 61 and 70 degrees than between 71 and 80 degrees?

High Temperature (degrees F°)	Days	Frequency (f)
91 - 100		0
81 - 90		3
71 - 80		6
61 - 70		11
51 - 60		14
41 - 50		1
Total		35

- A) 4
 - ✓ B) 5
 - C) 6
 - D) 17
-

- 8) Which list of fractions is in order from LEAST to GREATEST?

- A) $\frac{1}{4}, \frac{3}{4}, \frac{2}{4}$
 - B) $\frac{3}{4}, \frac{1}{4}, \frac{2}{4}$
 - C) $\frac{2}{4}, \frac{1}{4}, \frac{3}{4}$
 - ✓ D) $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}$
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

- 9) Sue was planning a trip leaving on January 1 and returning on January 15. Sue wanted to tell the teacher how many days she was going to be out of school.

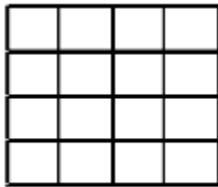
What question did Sue need to answer?

January

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- A) How many days was it from January 1 to January 15?
 - B) How many hours was it from January 1 to January 15?
 - C) How many days are in January?
 - D) How many hours is the school day?
-

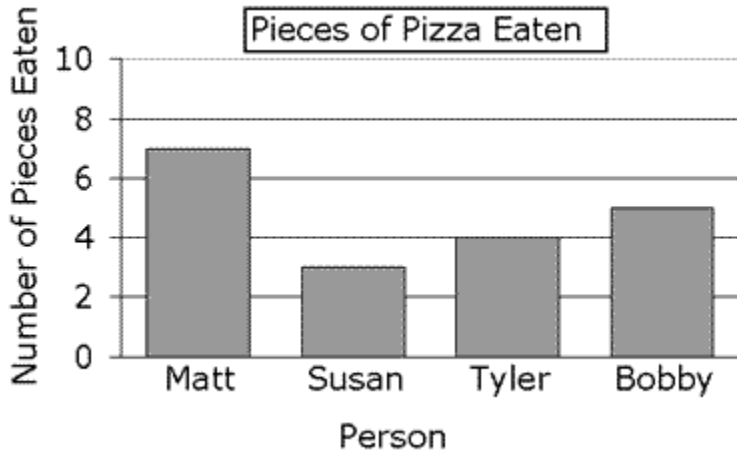
- 10) What is the area of the square?



- A) 8 square units
 - B) 12 square units
 - C) 16 square units
 - D) 20 square units
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

11) Which two people ate the smallest amount of pizza?



- ✓ A) Tyler and Susan
 - B) Bobby and Tyler
 - C) Susan and Bobby
 - D) Matt and Tyler
-

12) Which pair of figures appears to be similar?

- A)
 - B)
 - C)
 - ✓ D)
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

- 13) The chart below shows the attendance at games for five months. There were 5,657 people who attended games in June. According to the chart, in which month was the number of people who attended games greater than 5,657?

Ballgame Attendance	
May	4,632
June	5,657
July	6,432
August	5,476
September	4,987

- A) May
 - ✓ B) July
 - C) August
 - D) September
-

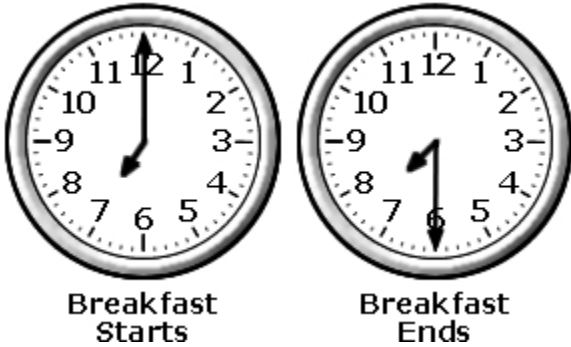
- 14) How many edges does this figure have?



- A) 4
 - B) 8
 - ✓ C) 12
 - D) 16
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

- 15) Tom looks at the clock when breakfast starts and when breakfast ends. How much time passes from when breakfast starts to when breakfast ends?



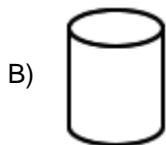
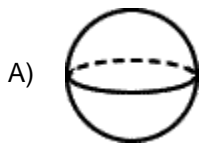
- ✓ A) 30 minutes
- B) 1 hour, 30 minutes
- C) 11 hours
- D) 11 hours, 30 minutes

-
- 16) How much money is shown?



- A) \$10.05
- B) \$10.35
- ✓ C) \$10.45
- D) \$10.55

17) Which figure is a prism?



18) Jenna ate $\frac{1}{3}$ of a whole pie. How much of the pie is left?

A) $\frac{0}{3}$

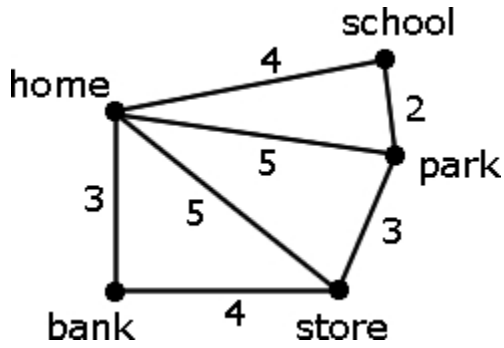
B) $\frac{1}{3}$

✓ C) $\frac{2}{3}$

D) $\frac{3}{3}$

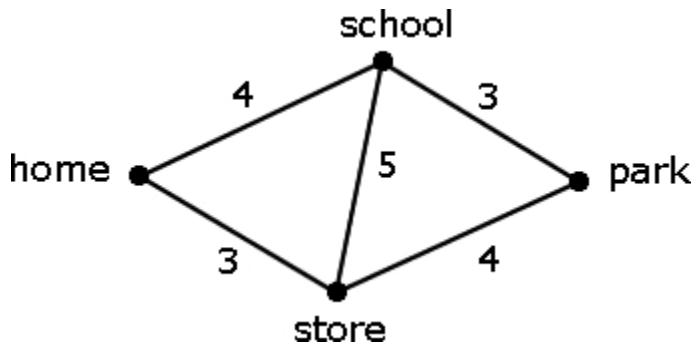
2010-11 TUSD Comp. Math 03 Gr. Pretest

19) What is the shortest path from school to the store?



- A) school, home, store
- ✓ B) school, park, store
- C) school, home, park, store
- D) school, home, bank, store

20) Which path has the heaviest weight?



- A) park to school
- B) school to home
- C) store to park
- ✓ D) store to school

2010-11 TUSD Comp. Math 03 Gr. Pretest

21) Jon has 2 activities and 3 days during the week. He can only do 1 activity on 1 day.

How many different combinations of activities are possible?

Activity	Day
band chorus	Monday Tuesday Wednesday

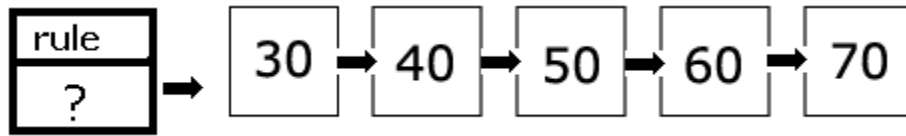
- ✓ A) 6
 - B) 7
 - C) 8
 - D) 10
-

22) What is the sum?

$$\begin{array}{r} 6,058 \\ + 9,715 \\ \hline \end{array}$$

- A) 3,657
 - B) 15,736
 - ✓ C) 15,773
 - D) 15,783
-

23) What rule is used in this model?



- A) Add 10.
 - B) Subtract 10.
 - C) Add 5.
 - D) Subtract 20.
-

24) Which answer means the same as the picture?



- A) 3×1
 - B) 3×2
 - C) 3×3
 - D) 9×3
-

25) If Marla has 7 marbles and a week later she has 2 times as many marbles, how many marbles will she have now?

- A) Marla will have more marbles.
 - B) Marla will have fewer marbles.
 - C) Marla will have the same number of marbles.
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

- 26) There were 100 bees in a hive. A group of 50 more bees came into the hive. How many bees were there altogether?

Jay said that a group of 50 more bees came into the hive.

Which is true about Jay's answer?

- A) Jay did not answer the question which was asked.
 - B) The number of bees in the hive should be fewer than 100.
 - C) Jay's answer is reasonable, he just added wrong.
 - D) Jay's answer was correct.
-

- 27) Lara had 27 stickers. Lara's mom gave her a new pack of stickers. Lara now has 37 stickers. Which of the following shows how many stickers Lara has now?

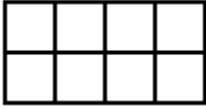
- A) $37 + \square$
 - B) $27 + \square$
 - C) $10 + \square$
 - D) $7 + \square$
-

- 28) Which answer has ONLY ODD numbers?

- A) 320 520 720
 - B) 201 203 211
 - C) 110 111 113
 - D) 101 102 100
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

29) What is the perimeter of the rectangle?



- A) 8 units
 - ✓ B) 12 units
 - C) 16 units
 - D) 20 units
-

30) Freda and Josie, who are both 7 years old, live in Smallville. The young children in Smallville go to Wilson Elementary School.

Which conclusion can you make from this data?

- A) Freda doesn't go to Wilson Elementary School.
 - ✓ B) Freda and Josie go to Wilson Elementary School.
 - C) Wilson Elementary School is the only high school in town.
 - D) Josie is in second grade.
-

31) What is the missing number?

$$\underline{\quad} + 7 = 18$$

- ✓ A) 11
 - B) 10
 - C) 9
 - D) 7
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

- 32) Sue bought 17 apples, 11 pears, and 21 bananas. She gave away half of the fruit to her friend Jill.

About how many pieces of fruit did Sue have left?

- A) 20
 - ✓ B) 25
 - C) 30
 - D) 50
-

- 33) What is the pattern in this list of numbers?

5 10 15 20 25 30

- A) Count forward by tens.
 - ✓ B) Count forward by fives.
 - C) Count backward by tens.
 - D) Count backward by fives.
-

- 34) What is the quotient?

$$24 \div 4 = \underline{\quad}$$

- A) 3
 - ✓ B) 6
 - C) 7
 - D) 8
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

35) Robbie takes 11 minutes to do 1 page of math.

About how many minutes will it take him to do 4 pages of math?

- A) 10 minutes
 - B) 20 minutes
 - C) 30 minutes
 - D) 40 minutes
-

36) What is the product?

$3 \times 7 = \underline{\quad}$

- A) 28
 - B) 21
 - C) 14
 - D) 10
-

37) Which number is missing in the pattern?

3 6 9 $\underline{\quad}$

- A) 0
 - B) 6
 - C) 11
 - D) 12
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

38) Which is the correct answer?

$$568 \times 0 =$$

- A) 0
 - B) 0.568
 - C) 568
 - D) 5,680
-

39) Arnold read that spiders have 8 legs.

How could Arnold write the number of legs 3 spiders have?

- A) $8 + 3$
 - B) $8 - 3$
 - C) 8×3
 - D) $8 \div 3$
-

40) Which of these can be used to check the answer to the problem below?

$$14 \div 2 = 7$$

- A) $2 \times 7 =$
 - B) $7 - 2 =$
 - C) $2 \times 14 =$
 - D) $7 \times 14 =$
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

41) Kyle is 5 years younger than Jim. Jim is 8 years old. Which represents Kyle's age in years?

- A) $8 - 5 = 3$
 - B) $8 + 5 = 13$
 - C) $8 \times 3 = 24$
 - D) $8 - 8 = 0$
-

42) Audrey sold 431 raffle tickets, while Mariah sold 684 raffle tickets. How many raffle tickets did they sell altogether?

- A) 1,005
 - B) 1,015
 - C) 1,115
 - D) 1,125
-

43) Which answer shows the number 821,201 in expanded notation?

- A) $820,000 + 201$
 - B) $800,000 + 20,000 + 1,000 + 200 + 1$
 - C) $8 + 2 + 1 + 2 + 1$
 - D) $821 + 201$
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

44) How many cups in a gallon?

- A) 1
 - B) 2
 - C) 4
 - ✓ D) 16
-

45) Which is number 183,012?

- A) eighteen thousand three thousand twelve
 - B) one hundred eighty-three twelve thousand
 - C) one hundred thousand eighty-three twelve
 - ✓ D) one hundred eighty-three thousand twelve
-

2010-11 TUSD Comp. Math 03 Gr. Pretest

Instructions for Student-Read Offline Assessments

Teacher Instructions:

This test packet includes:

- 1) test booklets
- 2) student answer sheets containing student and test identification information

As soon as you receive your test materials, confirm that you have enough testing materials for each student in your class.

You may provide students with scratch paper or students may write in the test booklet.

Allow a few minutes at the beginning of the testing period to review the assessment instructions with students. Students should work through the test items in the test booklet, marking their responses on the answer sheet provided to them. You may answer student questions about the test instructions. Do not answer questions related to the content of the test itself. This includes translating, rephrasing, or adding information to the test question, answers, or related content.

Once the assessment period is over, collect the students' test booklets and answer sheets. Provide to assigned district staff the answer sheets for scanning and the test booklets for proper disposal.