2015 State Test

	144030	0002_4		
1	Wh sho	Which expression could be used to find the total number of circles shown below?		
			000000000	
			000000000	
	Α	2 + 20		
	В	2 imes 20		
	С	2 + 10		
	D	2 imes 10		

	134030	033_2
2	Am equ	ar and his friends made a flag for their clubhouse. They divided the flag into al sections and colored 3 of the sections gray. The flag is shown below.
	Wh	at fraction of the flag is gray?
	Α	$\frac{1}{3}$
	B	$\frac{3}{8}$
	С	$\frac{3}{5}$
	D	<u>5</u> 8

	14403	0017_2
6	Ale pag pag	xis read 63 pages of a book in seven days. She read an equal number of ges each day. The equation below can be used to find the total number of ges she read each day.
		63 ÷ 7 =?
	Wh	at is the total number of pages Alexis read each day?
	Α	8
	В	9
	С	56
	D	70

	134030	042_3	
8	Selena had 204 stamps in her collection. She bought 47 more stamps. If she gave 38 stamps to her brother, how many stamps does Selena have now?		
	Α	119	
	В	195	
	С	213	
	D	289	

11 The tally chart below shows the favorite seasons of Mr. Slater's students.

OUR FAVORITE SEASONSSeasonNumber of StudentsSpring||||Summer||||Fall||Winter||||

Which picture graph correctly shows the data?

OUR FAVORITE SEASONS



OUR FAVORITE SEASONS

)

7)

)

Number of Students

KEY

= 2 students

OUR FAVORITE SEASONS



Season

Summer

Winter

Spring

Fall

В

	144030	0038_3			
13	What is 637 rounded to the nearest ten?				
	Α	600			
	В	630			
	С	640			
	D	647			

14 Nadia was working on a math problem. She was asked to shade parts of the figure so that $\frac{5}{6}$ of the figure below was shaded.



What should Nadia do to complete the math problem?

- A Nadia should shade two more parts of the figure.
- **B** Nadia should shade three more parts of the figure.
- **C** Nadia should shade four more parts of the figure.
- **D** Nadia should shade five more parts of the figure.





20 Mr. Stone asked each of his students to name one favorite hobby. He made the picture graph shown below to display the data.

	STUDENTS	' FAVORITE I	HOBBIES		
	Hobby	Number of	Students		
	Drawing	00			
	Reading	000		KEY	
	Sports	000	٥	a = 2 studen	ts
Whi	ch table represer STUDENTS HOB	nts the same dat FAVORITE BIES	a as the pict	ure graph? STUDENTS' HOB	FAVORITE
Δ	Hobby	Number of Students		Hobby	Number of Students
•	Drawing	4	U	Drawing	2
	Reading	6		Reading	3
	Sports	8		Sports	4
			l		
	STUDENTS HOB	FAVORITE BIES		STUDENTS' FAVORITE HOBBIES	
B	Hobby	Number of Students	D	Hobby	Number of Students
	Drawing	8	_	Drawing	4
					Г
	Reading	6		Reading	С

	134030	032_1			
25 Which expression has the same value as $(8 \times 5) + (8 \times 3)$?					
	Α	8 × 8			
	В	8 × 15			
	С	16 + 8			
	D	13 + 11			

	134030	020_3
28	Ale gro	x sorted 20 toy cars into 4 groups with the same number of cars in each up. Which expression represents the number of toy cars in each group?
	Α	20 imes 4
	В	20 + 4
	С	20 ÷ 4
	D	20 – 4

30

A certain dance class has 42 dancers. The teacher wants to place the class into six equal groups. Which number sentence could be used to find the number of dancers that will be in each group?

- **B** 6 ÷ _?_ = 42
- **C** 42 + 6 = <u>?</u>
- **D** 42 6 = _?__

	144030	044_3	
31	Noel read 90 minutes each day for 6 days. Tyra read 60 minutes each day for 8 days. What is the difference, in minutes, between the total amount of time Noel read and the total amount of time Tyra read?		
	Α	30	
	В	40	
	С	60	
	D	80	

32 Mr. Bachu bought 24 pounds of potting soil. Which sentence could describe the potting soil Mr. Bachu bought?

- **A** He bought 6 bags that weigh 4 pounds each.
- **B** He bought 5 bags that weigh 4 pounds each.
- **C** He bought 4 bags that weigh 20 pounds each.
- **D** He bought 10 bags that weigh 14 pounds each.

33 Pedro left home this morning at the time shown on the clock below.



Tina left home 20 minutes after Pedro left. Carlos left home 18 minutes after Tina left. At what time did Carlos leave home this morning?

- **A** 7:57 a.m.
- **B** 8:13 a.m.
- **C** 8:38 a.m.
- **D** 9:13 a.m.

	134030068_4			
34	4 Mrs. Allen made 8 pitchers of fruit punch for a party. She used 2 liters o to make each pitcher of fruit punch. How many liters of water did Mrs. use in all?			
	Α	4		
	В	6		
	С	10		
	D	16		

37 The table below shows the number of tickets for the school play that were sold each day.

Day	Number of Tickets Sold
Thursday	238
Friday	361
Saturday	249
Sunday	328

SCHOOL PLAY TICKETS

On which day does the number of tickets sold round to 300, when rounded to the nearest hundred?

A Thursday

- **B** Friday
- **C** Saturday
- **D** Sunday

38 Paul has gray and white paving stones in his patio. A diagram of his patio is shown below.



Which equation can be used to find the total area, in square feet, of Paul's patio?

- **A** $(8 \times 7) + (8 \times 3) =$ <u>?</u>
- **B** (8 + 7) × (8 + 3) = __?
- **C** $(10 \times 7) + (10 \times 3) =$ <u>?</u>
- **D** $(10 + 7) \times (10 + 3) =$ <u>?</u>



	134030027_2	
40	The school store sells pencils in packages of 4. Zoe bought enough packages to have 28 pencils. The equation below can be used to determine the number of packages Zoe bought.	
	4 × <u>?</u> = 28	
	What is the total number of packages that Zoe bought?	
	A 6	
	B 7	
	C 24	
	D 32	

	144030	015_2	
45	45 Rick has 15 muffins. He will give each of his three children one muffin each day The equation below can be used to find the total number of days he can give the muffins to his children before they are gone.		
		15 ÷ <u>?</u> = 3	
	Wh	at is the total number of days Rick can give the muffins to his children?	
	Α	4	
	В	5	
	С	12	
	D	18	
L			

47 Which number sentence could also be used to find the missing number in the equation $10 \times \underline{?} = 60$?

A $60 \times 10 =$? **B** 60 - 10 =? **C** 60 + 10 =? **D** $60 \div 10 =$?

	134030	1058_3
48	Wh	ich number sentence is true?
	Α	$\frac{2}{2} = \frac{2}{6}$
	В	$\frac{4}{6}=\frac{2}{2}$
	С	$\frac{1}{2} = \frac{3}{6}$
	D	$\frac{2}{6} = \frac{1}{2}$

49	On the number line below, the distance from 0 to 1 represents a whole.
	$\begin{array}{c c} M & N \\ \hline \bullet & + & + & + & + & + \\ 0 & & 1 \end{array}$
	What fraction of the whole represents the distance from point M to point N?
	Answer
	Complete the number line below so that each part represents $\frac{1}{4}$ of the distance from 0 to 1.

50 An art teacher is planning a painting project for her classes. She made the table below to show how much paint she would need for each class.

PAINT FOR ONE CLASS

Color	Amount Needed (pints)
Red	4
Yellow	2
Blue	3

What is the total number of pints of paint that will be needed for her five classes?

Show your work.

Answer _____ pints

51	The picture below shows that 3 cans have the same mass as 9 identical boxes.
	Each can has a mass of 30 grams.
	What is the mass, in grams, of each box?
	Show your work.
	Answer grams

52 Ryan played a computer game three times. His score on each of the first two games is shown in the table below.

COMPUTER GAME SCORES

Game	Ryan	
1	215	
2	225	
3		
	714	Total

Ryan's total score for all 3 games was 714. What was Ryan's score in game 3?

Show your work.

Answer_____

	144030212	
53	Ms. Chen tiled her kitchen and bathroom flo floors she tiled was 92 square feet. The diag kitchen floor.	oors. The total area of both ram below shows the tiles on the
	KITCHEN FLOOR	
		KEY
		= 1 square foot
	What is the area, in square feet, of the bath	room floor?
	Show your work.	
	Answer square feet	

	134030209
55	The grid below shows a playground and a basketball court at a park.
	Basketball Playground court Image: Second
	Answer square units
	What is the total area of both the playground and the basketball court?
	Answer square units
	Fill in the blanks to show how the number sentence below can be used to find the total area of the playground and the basketball court.
	Answer $(4 \times \) + (4 \times \) = 4 \times (\ + \)$

	194030201
56	Amy and Barney live on a road between the post office and the grocery store. The post office and the grocery store are 1 mile apart. The road is represented by the number line below. Post office 4 0 1 1 1 1 1 1 1 1
	Draw and label points for Amy's house and Barney's house on the number line. Use labels A for Amy and B for Barney. How far does Barney live from the post office?
	Answer mile