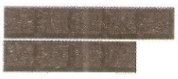
FAS-PASS
Maths

NATIONAL TEST STANDARD 1 YEAR 2015

NO.	TEST ITEMS	WORKING COLUMN	*Do Not Write Here*
1.	Write the word name for the number **60**. **Answer:** Sixty	60 = 6 tens or sixty	
2.	The number cards below are ordered from **largest** to **smallest**. 93 | 70 | | 55 Which number below goes in the empty card? 48 64 21 105 **Answer:** 64	Since the numbers are ordered, the number in the box is less than 70 and greater than 55. 64 is the only given number that is more than 55 and less than 70.	
3.	Joy has two bars of chocolate.  Bar A Bar B Which bar has an **odd** number of blocks of chocolate? **Answer:** Bar A	Bar A has 7 blocks. Bar B has 8 blocks. 8 is divisible by 2 and is not an odd number. 7 is an odd number because it is not divisible by 2. Bar A has an odd number of blocks.	
4.	Find the sum of 15 and 9. **Answer:** 24	$9 = 5 + 4$ $15 + 9 = 15 + 5 + 4 = 24$	

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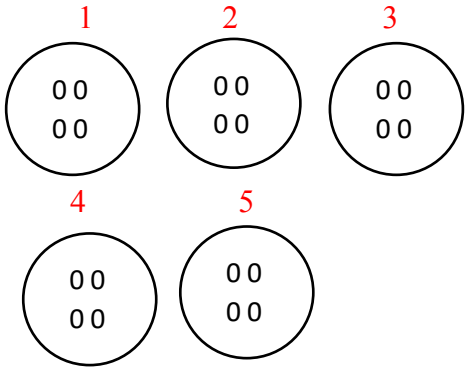
5.	Nicholas had 17 marbles. He lost 8 marbles. How many marbles does he have now? **Answer:** 9	Since he lost 8, he has $17 - 8$ marbles left. To take away 8, we can take away 7 and then take away 1 more. $17 - 8 = 17 - 7 - 1$ $= 10 - 1 = 9$	
6.	Complete the number pattern below. 10, 15, 20, _____ **Answer:** 10, 15, 20, 25	The pattern is formed by adding 5, $10 \xrightarrow[+5]{} 15 \xrightarrow[+5]{} 20 \xrightarrow[+5]{} 20 + 5 = 25$	
7.	Ravi picked mangoes from the tree in his yard. His mangoes are shown below. **a)** How many mangoes did Ravi pick? **Answer:** 20 **b)** Ravi shared his mangoes equally among his 5 friends. How many mangoes did each friend get? **Answer:** 4 mangoes	a) Each row has 10 mangoes. There are 2 rows. Ravi picked $10 + 10 = 20$ or $10 \times 2 = 20$ mangoes. b) Share one mango at a time among 5 friends until all 20 mangoes are finished.  OR Each friend got 20 ÷ 5 mangoes = 4 mangoes	

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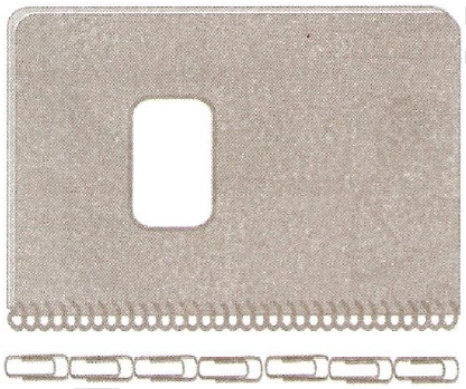
8.	There are 9 children at a birthday party. Each child is given two cupcakes. How many cupcakes did the children receive **altogether**? **Answer:** 18 cupcakes	9 children each receive 2 cupcakes. 9 sets of two = $2 \times 9 = 18$ 00 00 00 00 00 00 00 00 00	
9.	Aliya is measuring the length of her notebook using paperclips. How long is her notebook below?  Aliya's notebook is _____ paperclips long. **Answer:** Aliya's notebook is 7 paperclips long.	We can check 7 paper clips placed along the length of the notebook.	

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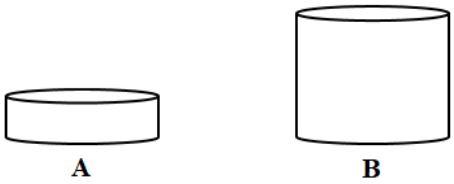
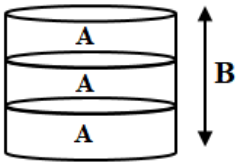
10.	How many of container A is needed to fill container B?  **Answer:** 3	 Judging from the height of A, it seems that it would take 3 of A to fill B.	
11.	Look at the pictures below and complete the statements using the following words. **minutes** **seconds** **a)** Peter jumped 10 times. He took 10 _____. **Answer:** Peter jumped 10 times. He took 10 seconds. **b)** Peter read 10 pages of his story book. He took 10 _____. **Answer:** Peter read 10 pages of his story book. He took 10 minutes.	It takes a shorter time to jump than to read a page of a book. Seconds are shorter than minutes. Peter can make one jump in one second. So, if he jumped 10 times he will take about 10 seconds. A page of a book has many words. Reading the page of a book will definitely take many seconds and 1 minute = 60 seconds. It is possible for Peter to spend a minute reading one page.	

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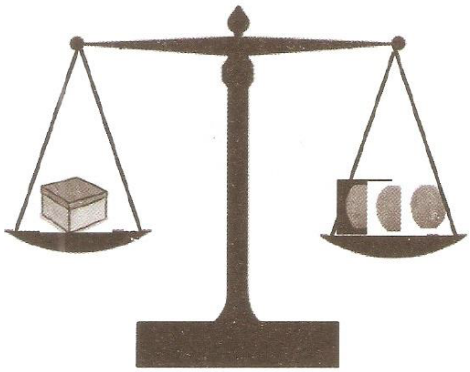
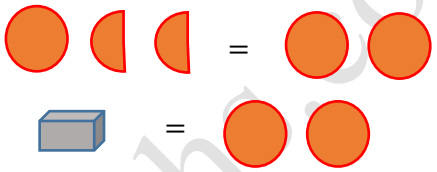
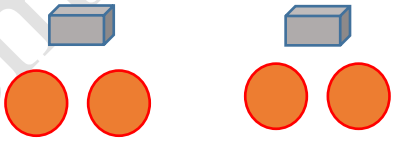
12.	Look at the picture below.  Complete the statements below. **a)** One box weighs the same as _____ oranges. **Answer:** One box weighs the same as 2 oranges. **b)** Two boxes will weigh the same as _____ oranges. **Answer:** Two boxes will weigh the same as 4 oranges.	**a)** The scale balances with one box on one side and one whole orange plus 2 halves on the other side. 1 whole plus 2 halves is the same as 2 wholes  1 box weighs the same as 2 oranges **b)** 2 boxes will weigh the same as  = 4 oranges	

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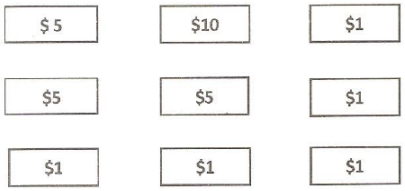
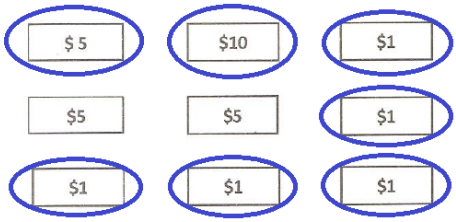
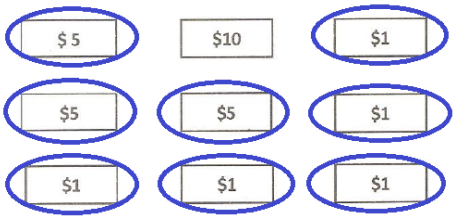
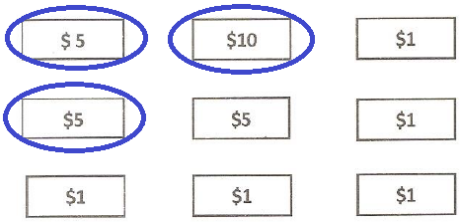
13.	Circle the bills needed to make a $20.00.  Answer:  Or  Or  	We find three different ways to make up $20. $10 + $5 + $1+ $1+ $1+ $1+ $1= $20 $5 + $5 + $5 +$1+ $1+ $1+ $1+ $1= $20 $10 + $5 + $5 = $20	

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14.	One month of a calendar is shown below. **JUNE** Mon Tue Wed Thu Fri Sat Sun 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 **a)** How many days are there in the month of June? **Answer:** 30 **b)** Alisha visits her grandparents on the third Sunday of each month. What is the date of her visit in June? **Answer:** Sunday June 21st **c)** Mark's birthday is on the day before the 1st of June. In what **month** was Mark's birthday? **Answer:** The month of May	a) The days are numbered from 1 to 30. There are 30 days in June. b) Sunday 7 1st 14 2nd 21 3rd 28 The 3rd Sunday is June 21st. c) The day before 1st June is the last day of the month just before June. This is May 31st. Hence, Mark's birthday is in May.	

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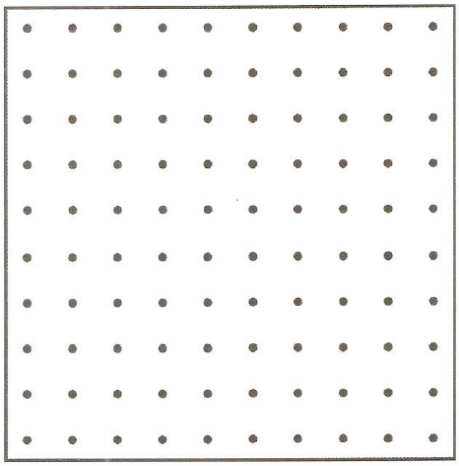
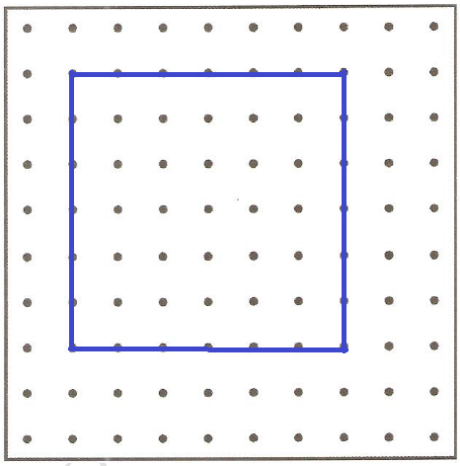
15.	Use the dots below to draw a square.  **Answer:** 	We can draw many different squares on the grid given. The four sides must be equal. This square has sides 6 units long.	

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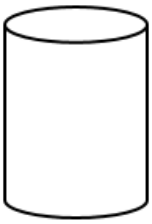
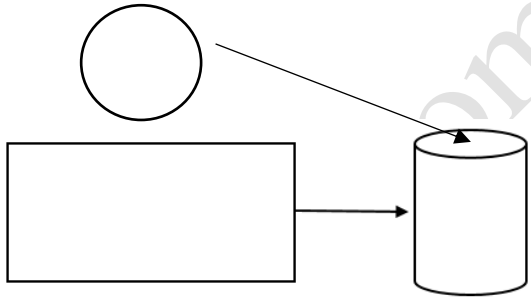
16.	Adele is cutting out plane shapes of paper to make a cylinder.  Circle the names of the plane shapes she must cut out. **Circle Rectangle Triangle** **Answer:** **Circle Rectangle Triangle**	She would use a rectangle for the curved side of the cylinder and a circle for the top and bottom.  If the cylinder is closed then two circles will also be used, one for the top and one for the base. She would use only one circle if the cylinder has a base and is open at the top.	
17.	A pattern made with shapes is shown below. △□○△□○△___○___ **a)** Draw the missing shapes in the pattern. **Answer:** △□○△□○△□○△ **b)** What is the 15th shape in the pattern? **Answer:** ○	a) The pattern repeats three shapes △□○ So, the completed pattern is △□○△□○△□○△ Missing shapes b) Let us number the shapes. 1 2 3 4 5 6 7 8 9 10 △□○△□○△□○△ △ 1, 4, 7, 10, 13, 16… □ 2, 5, 8, 11, 14, 17… ○ 3, 6, 9, 12, 15, … The 15th shape will be a ○.	

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18.	The table below shows the number of books read by four students. **Name** / **Tally** / **Number of Books Read** Maya / 𝍸 𝍸 ||| / 8 Suresh / / 10 Kim / ||| / 3 Peter / 𝍸 𝍸 | / Complete the table. **Answer:** **Name** / **Tally** / **Number of Books Read** Maya / 𝍸 𝍸 ||| / 8 Suresh / 𝍸 𝍸 𝍸 𝍸 / 10 Kim / ||| / 3 Peter / 𝍸 𝍸 | / 11	To complete the table: First, we need to insert the tally marks for Suresh. Suresh read 10 books: $10 =$ 𝍸 𝍸 Next, we need to insert the number of books Peter read. The number of books Peter read: 𝍸 𝍸 $\| = 5 + 5 + 1$ $= 11$	

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19.	The table shows the favourite cartoons of a Standard 1 class. **Cartoon** / **Number of Students** Sponge Bob — 9 Curious George — 12 Peppa Pig — 6 **a)** Which cartoon is the **most popular** in the class? **Answer:** Curious George **b)** How many students did not choose Curious George as their favourite cartoon? **Answer:** 15	a) The number 12 is the largest of 9, 12 and 6. 12 students chose Curious George. Most students chose Curious George. b) The number not choosing Curious George: 9 chose Sponge Bob + 6 chose Peppa Pig 15 15 students did not choose Curious George	

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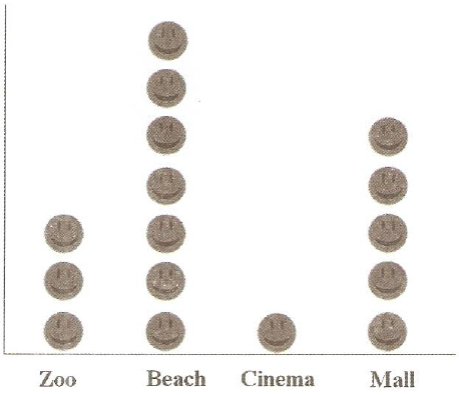
20.	The pictograph below shows the places visited by students in a Standard One class. **Places Visited**  represents 1 student **a)** How many students visited the mall? **Answer:** 5 **b)** How many **more** students visited the beach than the zoo? **Answer:** 4 **c)** How many students are in the class? **Answer:** 16	a) We check 5 who visited the mall and which represents 5 students. b) Number who visited the zoo is 3. Number who went the beach is 7. $7 - 3 = 4$ So, 4 more students visited the beach than the zoo. c) Number who visited the Zoo 3 Beach + 7 Cinema 1 Mall 5 16	

END OF TEST

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