2015 世界城市杯三算全能競賽模擬試題

2015 World City Cup Competition in Mental Arithmetic, Abacus and Mathematics Mock Test

Pretest Group (Kindergarten): Abacus Applications (Math) Mock Test

Time Limit: 15 Minutes (Total 300 points)

ID No.	
Total	
Score	

(II) Abacus Applications (10 points for each problem, Total 200 points. Sub-total: (I) Abacus Skills : Addition and subtraction (5 points for each problem, Total 100 points) **Answer Column** Sub-total: -2-2Fill in all missing numbers in 2 8 9 No. 1 3 4 5 6 7 10 $) \rightarrow 13 \rightarrow ($)->9 the sequence : 2 5 8 3 5 7 6 1 9 4 more than 7 is 4 Draw \bigcirc in the box provided 0000 to show the number. 2 On the abacus, shade in the -76 5 4 -39 8 On abacus: +7=2 4 number, then write the answer Use abacus to count, how (1) Buying one and one 8 2 6 -7-3much you pay? -53 -9 3 costs \$ (4 3 (2) Buying one toy **a** and one \$7 \$8 \$13 costs \$(ANS. $\begin{smallmatrix} \triangle & \triangle & \triangle & \triangle \\ \triangle & \triangle & \triangle & \triangle & \triangle \\ \end{smallmatrix}$ Draw triangles in the blank Check box to complete the equation. On the abacus, shade in the 2+6+1+7=16 | 8 + 3 - 2 + 6 =number, then write the answer. 11 On abacus: Subtraction : 5 9+1-4+5=|5+2+4-7| =12 - 4 = 612 17 \mathcal{R} Last Year This Year Next Year Connect the years with the 4 - 2 + 8 - 1 =18 | 20 - 9 - 5 + 2 =13 right ages : Eugene will be 5 6 years old next year. 5 Years Old 3 Years Old 4 Years Old 6+5+9-8=15 + 4 + 8 + 3 =19 14 Long hand is on (), Draw 8:00 on the clock, then 7 Short hand is on (), 3+8+7+9=20 |38+2-6+7| =fill in the blanks : 15 It is () o'clock.

Published by: Chinese Academy of the Abacus (CAA)

2015 世界城市杯三算全能競賽模擬試題 2015 World City Cup Competition in Mental Arithmetic, Abacus and Mathematics Mock Test Grade 1: Abacus Application (Math) Mock Test

ID No. Total Score

Time Limit : 15 minutes (each problem 10 points , total 300 points)

I • S	Single C	hoice	П丶	Fill in the blank	
No.	Answer	Note: Write the answers in Answer column Sub-total :	No.	Note: Write the answers in Answer column Sub-total :	Answer
1		2:00 An hour past 2:00 is 1 2:30 2 3:00 3 3:12	1	$4 \to 5 \to () \to 7 \to 8$	
2		Hour Minute Hour Minute Hour Minute $Hour Minute$ ¹ 1^{2} 3^{3} What time is it? 1 2^{3} 2^{3} 3^{4} 3^{4} 3^{4}	2	Draw the time on the clock : $11:00$	111^{12} 1 9 • 3 10^{10} 2 10^{10} 2 10^{10} 3 10^{10} 3 10^{10} 1 10^{10}
3		12 is greater than 4 by 116 28 39	3	can be separate into () and [shade the abacus]	$\frac{\diamond \diamond}{\otimes \otimes}$
4		$10 \rightarrow 4 \rightarrow 10 \rightarrow 10 \rightarrow 10 \rightarrow 10 \rightarrow 10 \rightarrow 10 \rightarrow 1$	4	Ann is 7 years old. In 4 years, she will be () years old.	
5		From 8 th floor to 4 th floor, You go down ①5 ②3 ③4 floors.	5	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
6		A car has 4 wheels \cdot 3 cars have total (1)12 (2)8 (3)7 wheels.	6	There are 8 people on the car. 6 more got on, the total is () people.	
7		The sum of 4 and 4 is 14 210 35 .	7	and the bigger is () [shade the abacus]	
8		Which line is the longest? $1 \text{ MV} 2 3$ — .			
9		$11 \cdot 13 \cdot 15 \cdot 17 \cdot 19 \cdot 20$, From 11 to 20 how many numbers are missing?	8	shade the abacus	
		(15) $(2)6)$ $(3)4$ numbers.	9	$ \begin{array}{c} \bullet \bullet$	$\frac{\diamond \diamond}{\times \times}$
10		Which number is 5 more than 2 ? (1)2 (2)8 (3)7	10	$\triangle \square \bigcirc \triangle \square \bigcirc \triangle \neg \land \land$	$\checkmark \checkmark$
11		$\triangle \triangle \square \square \bigcirc \bigcirc$, which shape appears the most? $1 \triangle 2 \square 3 \bigcirc$	11	The clock says 8:00 the long hand points to () [write a number]	
12		There are 5 red balloons, 8 yellow balloons, and 4 green balloons. There is a total of $(1)13$ $(2)12$ $(3)17$ balloons	12	$17 \Rightarrow 15 \Rightarrow 13 \Rightarrow () \Rightarrow 9$	<u> </u>
			13	is less than by solution (shade the abacus)	
13		$\star \star \star$ and $\star \star \star \star$ get the total of (1)3 (2)4 (3)7 \star			
14		6 birds are on the tree. If 4 flew away, there are $(1)10$ $(2)2$ $(3)4$ birds left.	14	$(\begin{array}{c} \hline \hline$	
15		$\swarrow \bigcirc \bigcirc$	15	$\triangle \square \bigcirc$, the shape on the left of the square is a () [write triangle or circle]	

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		2015世界城市杯三	算子	と能競賽模擬試題 ID No.			
		2015 World City Cup Competition in Mental A Grade 2: Abacus Applic	rith atio	metic, Abacus and Mathematics Mock Test			
	Time Limit : 15 minutes (Each problem 10 points , Total 300 points) Published by: Chinese Academy of the Abacus (CAA)						
I۱N	Iultiple	Choice	II 、	Fill In Blank			
No.	Answer	Note : Write the answers in the Answer column. Sub-total :	No.	Note : Write the answers in the Answer column. Sub-total :	Answer		
1		An hour before 3:30 is 1 4:30 2 2:30 3 3:00	1	A book has 100 pages. If I read 30 pages, I still have () pages left.			
2		A carton has 34 eggs, after 6 are broken, there are 128 240 325 left.	2	Dad started work at 9:00 AM and took a break at 12:00 PM. He worked for a total of () hours.			
3		3 more than 4 is (1)25 (2)31 (3)27.	3	$\mathbf{Fill the Number} = \mathbf{Fill the Number}$			
4		\bullet is how many tens? 16 23 320.	4	The number is () tens and 4 ones. [Fill the Number]			
5		Find the heaviest. $1 \oplus 2 \oplus 3 \&$.	5	The dog is heavier than the cat, and the elephant is heavier than the dog. The () is the heaviest.			
6		There are 8 after 6 have been spent, there are 10 110 220 32 left.	6	A toy car costs \$79. If your brother has saved up \$46, he needs to save \$ () more to buy a toy car.			
7		A wooden stick is 11cm long, and a wooden block is 2cm long. If a stick and a block are connected, the total length is $(113 \ 29 \ 32 \ cm)$.	7	The clock says 11:30 The long hand points to which number ().			
8		Which of these events happens the latest in a day? ①Going to school ②Taking an afternoon nap ③Eating dinner.	8	The class has 10 girls and 14 boys. There are total of () people.			
9		A lollipop costs \$6. If May buys 4 lollipops, she has to pay (110) (2) 24 (3)4 dollars.	9	Starting from Count down () tens to reach 36.			
			10	$77 \rightarrow 4$ $\rightarrow () \rightarrow 4$ $\rightarrow 69$ What number follows the pattern?			
10		$+ () = 100, () = (179 \ 281 \ 375$	11	It takes Minnie 13 steps to walk from the school to the park. If she already walked 8 steps, she has to walk () more steps to the park.			
11		+ is 190 2100 397 .	12	$25 \rightarrow \rightarrow () \rightarrow \rightarrow 45$ What number is in the middle?			
12		Which shows the time? 1 4 2 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 4 3 4 4 4 4 4 4 4 4 4 4	13	Paul had \$55. After spending \$30 on stationary, he has \$ () left.			
13		July 27 th is a Monday, July 26 th is a ①Monday ②Sunday ③Saturday.	14	$\begin{array}{c} \bullet \bullet$			
14		$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	15	(100) (100) (100) (100) What is total amount of Japanese Yen here?			
15		One pencil costs \$5. With \$40, I can buy 14 25 38 pencils.		(100 Yen) (10 Yen) (10 Yen)	<u> </u>		

2015 World City Cup Competition in Mental Arithmetic, Abacus and Mathematics Mock Test Grade 3: Abacus Applications (Math) Mock Test

Time Limit : 15 Minutes (Each problem 10 points , Total 300 points)

Published by: Chinese Academy of the Abacus (CAA)

ID No.	
Total	
Score	

I • Multiple Choice

II
Sill In the Blank

No.	Answer	Note: write the answers in Answer column. Sub-total :	No.	Note: write the answers in Answer column. Sub-total :	Answer
1		12 ten-dollar bills, 6 five-dollar bill, and 3 one-dollar bills add up to (1)153 (2)148 (3)210 dollars.	1	One box of chocolate has 10 pieces, BoxPiece Box Piece which is shown on the abacus here: Mom bought which is a total of () pieces.	
2		The minute hand points to 7, the hour hand is between 7 and 8. What time is it? 18:35 27:35 38:07.	2	2 weeks and 3 days equals () days.	
3		$\begin{array}{c} 1 \\ \hline \hline$	3	Mom had \$450, spent \$178 at the supermarket, and bought lunch for \$45. She has \$ () left.	
4		2 fours plus 6 fours equal how many fours total? $(1)2$ $(2)4$ $(3)8.$	4	A small abacus costs \$188. If you pay in 100-dollar bills, at least () bills are needed to buy one abacus.	
5		Mom is heavier than Dad, and Dad is heavier than me. Who is the heaviest? ①Me ②Mom ③Dad.	5	Paul started eating snacks at 3:15. After eating for 15 minutes, the longhand on the clock is on the number (). [Write the number]	
6		Ones What Number is shown on the abacus? Deven hundred four three	6	A string of banana has 8 bananas. If the teacher wants to buy one banana for each of her 40 students, she has to buy at least () strings.	
7		The smallest 3-digit number minus is 199 298 391.	7	Grandpa's height is the two numbers is (\xrightarrow{cm} and my height is \xrightarrow{cm} . The sum of cm.	
8		A Japanese (500 Yen) coin can exchange (1)10 (2)25 (3)5 (100 Yen) coins.	8	$4 \square$ Math Scramble : +3 5 , $\square = ()$ -7.6	
9		Today is Sunday, July 27 th . Next Sunday will be ①August 2^{nd} ②	9	Bill has \$7. Henry has 9 times of Bill's. They have a total of \$ ().	
10		August 3 rd (3) August 4 rd . $\downarrow \rightarrow \qquad $	10	She was gone for () days.	
11		One notebook costs \$7. If I have \$50, at most I can buy 18 27 36.	11	One lunch box costs \$80, and one drink costs \$40. If you buy two of each, you have to pay $($ $)$.	
12		This number look like on the abacus $1 + 2$ and $2 + 2$ and $3 + 2$	12	One drink costs \$20. In celebration of the World City Cup, there is a 'Buy 5 Get 1 Free' offer. If Mom spent \$100, she can get() drinks.	
13		The World City Cup started on July 26^{th} and ended on July 27^{th} . How many days was it held? 1 2 2 3 3 4 days.	13	One carton has 8 eggs. If Dad bought 10 cartons and sold 3 cartons, there are () eggs left.	
14		4 nines plus $\stackrel{\text{Ones}}{\clubsuit}$ equals (1)80 (2)81 (3)77.	14	Dad has 7 of , sister has 3 of . They have a total of \$ ().	
15		A triangle has A angles and a square has B sides, $A + B = 17$ 26 38.	15	$4 \times 9 = () \times 4$	

2015 世界城市杯三算全能競賽模擬試題 2015 World City Cup Competition in Mental Arithmetic, Abacus and Mathematics Mock Test Grade 4: Abacus Applications (Math) Mock Test

ID No.	
Total	
Score	

Time Limit : 15 Minutes (Each problem 10 points , Total 300 points)

I • N	Aultiple	Choice	<u>II 、</u>	Fill In the Blank	
No.	Answer	Note: Write answers in the Answer column Sub-total :	No.	Note: Write answers in the Answer column Sub-total :	Answer
			1	Dad walks 540 mm in one step. Brother walks 39 cm in one step. If they	
1		$198 \times$ has (1)4 (2)3 (3)2 less 198's than $198 \times$	1	stand back to back and walk one step each, they are () mm apart.	<u> </u>
		From 12:00 noon today to 12:00 noon tomorrow, there are a total of (1) 12	2	One box has 8 tomatoes. Sister ate 5 of them. There is () box left.	
2		(2)24 (3)36 hours.		[write in fraction] Peyton saved \$1070 last month, and \$2060 this month. He needs to	
3		Beside 0, any number divided by itself is always 13 22 31.	3	save $()$ more to buy a \$5000 encyclopedia set.	
4		$_{364}$ $_{372}$ — moving five to the left,	4	A classroom has 7 seats in one row. 39 people can fill up () rows.	
4		$++++++ \rightarrow$ From the number $4 \rightarrow 7$ you get (1)358 (2)360 (3)362.	5	Kai poured a 3ℓ bottle of juice into $320 \mathrm{m}\ell$ cups. After filling 8	
		A bill From can be exchanged for (1)10 (2)2 (3)5 (1) coins		cups, the bottle has () $m\ell$ left.	
5		(1000 Van)	6	Daisy started on 120 on the number line and went 155 to the right. May	
		Take a circular card fold it in half and then in half again The intersection of		Starting on 7/10. Tech museum holds a diposaur exhibit for a week	
6		the two folded lines is called the (1)circumference (2)center (3)radius.	7	The last day of the exhibit is on ().	
7		February has 29 days in a leap year. That year has $(1)364$ $(2)365$ $(3)366$ days.		A round table fits 8 people. With 60 people, we need at least ()	
		mm	8	tables.	
8		() + + = 90 mm (1)4cm3mm (2)3cm4mm (3)2cm4mm.		Ones Ones	
			9	Uncle grew	
9		Any 2-digit number divided by 5 won't have a remainder of $(1)3$ $(2)4$ $(3)6$.		last year. \blacklozenge He grew () pineapples last year.	
		$m\ell$	10	December has 31 days, which also means () weeks and 3 days.	
10		$2\ell() \times 6$, Which sign should be used $1 > 2 < 3 = .$		Ming saves up \$15 daily.	
		Ones	11	She has to save for at least () days to reach	
11		+ × 50 The product has how many zero(es)? (1)3 (2)2 (3)1			
			12		
12		$() \div 8 = 2, () = (1)4 (2)16 (3)\frac{2}{2}$	12	300 less than is ().	
				Numerator Denominator	
10		If Frank accidentally wrote $\downarrow \downarrow \downarrow \downarrow$ the 8 as 3, the number will be less	13	In the morning Mao had eaten cookies 4 of a bag, and she	
13		than the original by $\mathbf{\overline{350}}$ $\mathbf{\overline{350}}$.		had $5/13$ again in the afternoon. Mao ate $\begin{pmatrix} & & \\ & & \end{pmatrix}$ of a bag in total.	
		One how has 10 oranges. There are 5 oranges at home. To have 10	14	There are two numbers. The larger number is 4 times the smaller	
11		$\frac{10}{2}$	14	plus 7. If the smaller number is 90, the larger one is ().	
14		oranges, buy another $(1, \frac{3}{5}, (2, \frac{3}{6}, 3, \frac{3}{10}))$ of a box.		24cm	l
		Fixed one and of a string, rotate the other and around to form a sirely. The	15	18cm In the left rectangle, the radius of the large circle	l
15		length of the string is the circle's (1) radius (2) diameter (3) circumference		plus the radius of the small circle is () cm.	l
<u> </u>			L		

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	2015 世界城市杯三算全能競賽模擬試題 ID No.						
	2015 World City Cup Competition in Mental A	rith	metic, Abacus and Mathematics Mock Test	T (1			
	Grade 5: Abacus Applic	ation	s (Math) Mock Test	lotal			
	Time Limit : 15 Minutes (Each problem 10 points, Total 300 po	ints)	Published by: Chinese Academy of the Abacus (CAA)	Score			
I • Multiple	e Choice	<u> </u>	Fill in the blank	-			
No. Answe	r Note: Write the answers in Answer column. Sub-total :	No.	Note: Write the answers in Answer column. Sub-total :		Answer		
	0 nes Which symbol completes the inequality?	1	If the teacher invites 26 students to drink 3/8 of a coke bott	le each,			
1	$1 + 3280509 \cdot () = 1 > 2 < 3 =.$		She has to buy at least () bottles. Mom paid $1 + 1 = Dollar$ for 6 apples and received \$280 char	nge.			
2	Multiplying 2-digit by 3-digit numbers will have an answer with at least $(1)_3$ $(2)_5$ $(3)_4$ digits	2	$\begin{array}{c} \hline & & \\ \hline \\ \hline$				
	Numerator Denominator	3	Sister is participating in a $\frac{km}{km}$ marathon. If she alre	ady			
3	* is a ①Proper fraction ②Improper fraction ③Whole number.		ran 14 km 302 m, $44 + 1$ she has () m left.	hara ara			
4	Which angle is not acute? $(1)45^{\circ}$ $(2)91^{\circ}$ $(3)60^{\circ}$.	4	7.67 kg left, the original bag had $()$ kg.	lere are			
5	WNDNDW: Whole number, N:Numerator, D:Denominator \blacksquare <t< td=""><td>5</td><td>Buying a car costs - If paid in 1000-dollar bi need at least () bills</td><td>lls, you s.</td><td></td></t<>	5	Buying a car costs - If paid in 1000-dollar bi need at least () bills	lls, you s.			
6	$\begin{array}{c c} km \\ \hline km \\ km \\$	6	Brother has \$468, which is \$43 more than sister's money. Th a total of \$ ().	ey have			
		7	Bob weights 74.6 kg and Don weights 24.9 kg less. Don weights ()kg.			
7	$123 \div 3 \times 4 = (1) 1604 (2) 16.4 (3) 164$.	8	A box of pudding has 4 rows, and each row has 5 puddings. bought 8 boxes there is total of $($ $)$ puddings	II MOM			
8	A number smaller than 7,000 has 2 in the hundreds place and 6 in the ones place. Which could it be? ① 4926 ② 5276 ③ 7286.	9	Jade's house School The distance from Jade's house the bank and to school is (se, pass			
	Unes	10	14 km 51 m Bank 9 km 350 m the bank, and to sensor is (Brother saves up \$36 daily in 3 weeks he can save up \$ ()			
9	$\begin{array}{c} \bullet \bullet$	10	$\frac{1}{1} \operatorname{cm} = \frac{1}{1} \operatorname{cm} cm$	$\frac{1}{1}$			
10	The volume of a cube with side length of 1 cm is $(1) 3 \text{ cm}^3 (2) 1 \text{ cm}^2 (3) 1 \text{ cm}^3$	11	1 cm (cubes with side length 1 cm. The vol	lume of			
11	Ones r : remainder		this rectangular prism is $()$ cm ³ .				
11	$\mathbf{\dot{\ast}} \mathbf{\dot{\ast}} \mathbf{\dot{\ast}} \mathbf{\dot{\ast}} \mathbf{\dot{\ast}} \mathbf{\dot{\ast}} = (1) 308 \mathrm{r} 5 (2) 380 \mathrm{r} 4 (3) 308 \mathrm{r} 4 .$		A store has 8 box of chocolate. Each box has 12 packs, and	1 pack			
	Ones The 8 on the left is	12	weights 75 g. The total weight of all chocolate is () g.	r puon			
12	$\begin{array}{c c} \bullet & \bullet \\ \bullet & & \bullet \\ \bullet &$	13	A book has 486 pages. If sister reads 34 pages daily, she need days to finish the book.	is ()			
13	(789-439)-59 () $789-(439-59)$, () = (1) > (2) < (3) =		The apple tree is $2\frac{4}{7}$ m tall, which is $\frac{5}{7}$ m shorter than the c	coconut			
14		14	tree. The coconut tree is () m tall. [Fill in fraction in simple	est form]			
	$ = \frac{149.161 \text{ km}}{24161 \text{ m}} = \frac{149.161 \text{ km}}{24161 \text{ m}} = \frac{149.44 \text{ km}}{24161 \text{ m}} = \frac{149.161 \text{ m}}{24161 \text{ m}}$			10			
15	^{0nes} is how many 0.1's? ① 7190 ② 719 ③ 71.9	15	JPY 1000 Yen JPY 2000 Yen JPY 5000 Yen JPY 10000Yen The total amount of IPY (Japanese yen) here is () yen				
		1	The total amount of stat (sapanese yeir) here is () yell.				

2015 世界城市杯三算全能競賽模擬試題 2015 World City Cup Competition in Mental Arithmetic, Abacus and Mathematics Mock Test

Grade 6: Abacus Applications (Math) Mock Test

ID No.	
Total	
Score	

Time Limit : 15 Minutes (Each problem 10 points , Total 300 points)

I Multiple Choice			II Fill in the Blank			
No.	Answer	Note: Write the answers in Answer column. Sub-total :	No.	Note: Write the answers in Answer column. Sub-total :	Answer	
1		$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1	$\frac{2}{3} = \frac{\Box}{6} = \frac{\bigtriangleup}{9} , \Box + \bigtriangleup = () .$ Dollar Dollar Dollar		
2		A cube with side lengths of 10 cm has a surface area of (1) 100 (2) 600 (3) 1000 cm ²	2	Uncle originally had $\begin{array}{c c} \hline & & \\ \hline & & \\ Dollar \end{array}$, he earned $\begin{array}{c c} \hline & & \\ \hline \\ \hline$		
3		$60 \cdot 224 \cdot 24 \cdot 660 \cdot 606$, There are (1) 1 (2) 2 (3) 3 multiples of 12 in this set of numbers.		1899 , Now he has () dollars.		
4		$\begin{array}{c} 1 \\ \hline 1 \\ \hline 9 \\ \hline 3 \\ \hline 1 \\ \hline 9 \\ \hline 3 \\ \hline 1 \\ \hline 1 \\ \hline 3 \\ \hline 1 \\ \hline 1 \\ \hline 3 \\ \hline 1 \\ 1 \\$	3	Write the number $\frac{75}{75}$ as a fraction $\frac{()}{40}$.		
		The average of two brothers' Dollar Dollar	4	$\frac{3}{4}$ () $\frac{5}{7}$ Complete the inequality. [fill in > $ > < $		
5		combined money is 25 , the younger has 4 , then the older brother has (1) 2091 (2) 2909 (3) 4591 dollars.	5	4 cm To make this rectangle framework of a lantern, 8 cm you need () cm of wood sticks.		
6		$\begin{array}{c c} \hline & & \\ \hline \\ \hline$	6	Sister saves \$200 a week, and Brother saves \$55 a week. Sister saves $(4, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,$		
7		$\frac{1}{3} + \frac{3}{5} = 1 \frac{4}{8} 2 \frac{14}{30} 3 \frac{14}{15}$	7	16 books and 40 pencils are equally distributed among students, with no remainders. If everyone got fewer then 4 books, there are () students		
8		1 US dollar can be exchanged for 101.8 Yen. 100 Dollar can be exchanged for ① 10180 ② 101800 ③ 3 Yen.	8	A road is 200 m long. A mark is made every 8 m, including the road's start and end points. There are a total of () marks.		
9		If you plant a tree every 5 m on a roadside, the distance from the 1^{st} tree to the 20^{th} tree is (1) 95 (2) 100 (3) 105 m.	9	\bigwedge An equilateral triangle has () axes of symmetry.		
10		$10 \text{ m}^3 = 1 10000 \text{ (2)} 1000000 \text{ (3)} 10000000 \text{ cm}^3$	10	$\int_{1}^{8} cm$ The volume of the rectangular prism is () cm^3		
11		6 tomatoes weight 875 g, so the average weight of a tomato is (1) 145 (2) 146 (3) 1458 g. [Rounded to the ones place]	10	$12 \text{ cm}^{5 \text{ cm}}$ The volume of the rectangular prism is () cm .		
12		A bag of sugar weights $2\frac{3}{8}$ kg. There are $1\frac{1}{3}$ kg left after making soup. How much sugar was used? 1 $1\frac{2}{5}$ 2 $3\frac{17}{24}$ 3 $1\frac{1}{24}$ kg	11 12	Within 100, the common multiple of 13 and 7 is ().On a number line, a bird flew 105 units left and stopped at 2000. Thebird's position originally was at ().		
13		$1 - 0.9451 = 1 0.00549 = 2 0.0549 = 3 0.549 \circ$	13	A measuring cup has 1050 m ℓ of water. After dropping a stone in, the water surface level reads 1.8 ℓ . The stone's volume is () om ³		
14		Complete the inequality: $\frac{5}{5}$ () $\frac{1}{5}$ () $\frac{1}{5}$ () $\frac{1}{5}$ () $2 < 3 =$	14	$9999 - 352 \times 8 = ()$		
15		A 180 cm long rope is use to enclose a maximum area of square. The area of the square is (1) 45 (2) 2025 (3) 32400 cm ² .	15	A restaurant uses 600 kg of rice on average per month. If 1 kg of rice rose from \$65 to \$80, the restaurant spends \$ () more per month.		

2015世界城市杯三算全能競賽模擬試題

2015 World City Cup Competition in Mental Arithmetic, Abacus and Mathematics Mock Test Middle School: Business Practices Calculation (Math) Mock Test Time Limit: 15 Minutes (Total 300 points) [Published by: Chinese Academy of the Abacus (CAA)] ID No. Total

Score

I١	Table (Rows and	Columns) Calculations	:	10 points each,	Score	points
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NO	Ι	ΙI	III	IV	Row Answers	Check
1	\$	\$ 869, 258. 03	\$ 2, 431.09	\$	\$	
2	930, 437. 26	45, 406. 72	-371, 057. 86	1, 265. 08	\$	
3	82, 589. 01	-178, 134. 86	46, 582. 93	648, 071. 35	\$	
4	571, 423. 57	23, 561. 91	93, 256. 15	9, 146. 53	\$	
5	8, 815. 90	— <i>7, 102. 84</i>	1, 846. 60	286, 385. 70	\$	
6	46, 307. 62	30, 497. 50	<i>842, 430. 97</i>	72, 904. 62	\$	
7	1, 524. 08	3, 731. 42	51, 627. 74	— 5, 710. 84	\$	
8	<i>—17, 948. 53</i>	98, 564. 39	7, 899. 21	23, 569. 17	\$	
9	602, 361. 29	<i>9, 502. 67</i>	-150, 304. 78	81, 094. 53	\$	
10	<i>—3, 706. 94</i>	610, 297. 85	<i>89, 023. 65</i>	<i>—380, 426. 79</i>	\$	
Column Answers	\$	\$	\$	\$	\$	
Check						

II \cdot Serial Multiplication and Division: Answers round to the 2nd place after the decimal point. Each problem 10 points. Score______points

NO	Problems	Check
1	3,985 × 91.4 × 9.8 =	
2	$206 \times 4.8 \times 0.0751 =$	
3	0.51 × 482.9 × 360 =	
4	0.017 × 350 × 802.4 =	
5	0.0793 × 641 × 2.7 =	
6	$262, 323, 330 \div 82 \div 7, 635 =$	
7	4, 426. 3435 ÷ 9, 458 ÷ 0. 072 =	
8	6, 248. 9732 ÷ 71. 9 ÷ 1. 6 =	
9	36, 729 ÷ 5, 630 ÷ 0. 83 =	
10	0.17010864 ÷ 0.624 ÷ 2.097 =	
11	$35,719 \times 0.81 \div 637 =$	
12	5,739.6 × 0.7903 ÷ 560 =	
13	0.002206 × 910 ÷ 6.271 =	
14	0.05616 ÷ 3.8 × 2,835 =	
15	$2.5055 \div 4.6 \times 954.7 =$	

2015世界城市杯三算全能競賽模擬試題

2015 World City Cup Competition in Mental Arithmetic, Abacus and Mathematics Mock Test Open-to-All: Business Practice Calculation (Math) Mock Test Time Limit 15 Minutes (Total 300 points) [Published by: Chinese Academy of the Abacus (CAA)] ID NO Total

Score

I . Table (Rows and Columns) Calculations : Each blank 10 points , Score:_____points

NO	Ι	II	III	IV	Row Answers	Check
1	\$	\$	\$	\$ 82, 974.06	\$ <i>8, 212, 125. 22</i>	
2	-4, 210, 715. 38	549, 703. 56	71, 428. 93	\$	- 3, 448, 200. 30	
3	74, 389. 06	286, 049. 21	5, 047, 362. 07	— 730, 651. 23	\$	
4	\$	43, 718. 58	<i>104, 793. 54</i>	9, 265, 846. 01	8, 738, 415. 30	
5	230, 786. 15	3, 206, 954. 39	\$	393, 419. 75	3, 741, 643. 98	
6	95, 174. 26	-58, 147. 20	2, 507, 648. 28	\$	3, 247, 252. 14	
7	3, 501, 742. 19	\$	612, 715. 40	4, 083, 168. 25	8, 878, 254. 97	
8	950, 860. 57	138, 270. 45	<i>—3, 085, 463. 82</i>	13, 947. 92	\$	
9	24, 396. 20	— 1, 062, 648. 97	\$	5, 708, 716. 34	4, 749, 709. 76	
10	\$	<i>19, 736. 54</i>	905, 793. 86	- 69, 452. 80	9, 766, 762. 33	
Column Answers	\$	\$	\$	\$	\$	
Check						

II • Percentage Calculations : Answers round to the 2nd place after the decimal point. Each problem 10 points. Score_____

NO	Principal	Rate	Interest	Sum of Principal & Interest	Difference of Principal & Interest	Check
1	\$ 592.64	13.82%	\$			
2	\$ 47, 850. 38	6.9%	\$			
3	\$ 9, 431. 45	$26\frac{4}{5}\%$	\$			
4	\$	<i>74.93%</i>	\$ 487.20			
5	\$	5.04%	\$ 200.58			
6	\$	0. 81%	\$ 496.07			
7	\$ 85, 627. 82	%	\$ 83, 058. 99			
8	\$ 1, 603. 19	%	\$ 69.74			
9	\$ 740.53	%	\$ 155.96			
10	\$	3. 57%		\$		
11	\$ 306.42	74.08%		\$		
12	\$ 61, 791. 58	0. 43%		\$		
13	\$ 1, 583.20	$19\frac{1}{5}\%$			\$	
14	\$ 742.64	52.01%			\$	
15	\$ 59, 803. 79	62%			\$	