Assessment Test for Singapore Primary Mathematics 5B Common Core Edition

This test covers material taught in Primary Mathematics 5B Common Core Edition (<u>http://www.singaporemath.com/</u>)





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4.	Find the equivalent measures.				
	(a)	0.04 m = cm	(b)	6.25 lb = lb oz	[2]
	(c)	35 ml = liters	(d)	0.75 ft = in.	[2]
5.	Multip	bly or divide. Give an estimate firs	st.		
	(a)	17.02 x 43	(b)	8.1 x 2.19	[4]
		Estimate:		Estimate:	
		Answer:		Answer:	
	(c)	11.25 ÷ 18	(d)	89.96 ÷ 0.04	[4]
		Answer:		Estimate:	
		Answer:		Answer:	

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6.	Find the following correct to 2 decimal places					
	(a) 49.95 ÷ 0.07	(b)	89.5 ÷ 31	[4]		
_	T	· · ·		[0]		
1.	more than 1 lb of meat, what is the co	st of 1 l	5 \$42.40. If 1 lb of fish costs \$3.25 o of meat?	[3]		
8.	The length of one side of a cube is 1 ye	d. What	is its volume in cubic feet?	[2]		
9.	Find the volume the rectangular prism	and cub	pe.			
	(a) 8 m	(h)		[2]		
		(0)				
	5 m					
	3 m		15 IN.			
	5 111					

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13.	How many 4-cm cubes can fit into a rectangular box 1 m long, 0.4 m wide, and 0.6 m high?	[3]
14.	A rectangular container 8 cm long and 9 cm wide was filled with water to a depth of 6 cm. When 12 marbles of equal size were added to the container, the depth of the water became 7.5 cm. Find the volume of one marble.	[3]
15.	Find the average of 21.4, 18.2, and 65.7.	[2]
16.	Fill in the blank: The average of 42, 36,, and 25 is 30.	[2]
17.	The average weight of 3 packages is 2 kg 750 g. The average weight of 2 of them is 3 kg 200 g. Find the weight of the third package. Give your answer in kg and g.	[2]

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18. Valerie recorded the weights of some mature dogs of a certain small breed that were brought to the veterinarian clinic to the nearest quarter of a pound.





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21. (a) In Sequence A, each number is obtained by adding 2 to the previous number. Complete the table.

Term (x)	1	2	3	4	5
Number (y)	2	4			
(x, y)	(1, 2)	(2, 4)			

(a) In Sequence B, each number is obtained by adding 3 to the previous number. Complete the table.

Term (x)	1	2	3	4	5
Number (y)	3	6			
(<i>x</i> , <i>y</i>)	(1, 3)	(2, 6)			

(b) Plot both sets of ordered pairs on the graph at the right and connect the points in each set. Describe what happens to the distance between the two line as *x* increases.



[1]

[1]

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24.	Express each as a percentage.	
	(a) 0.47	[1]
	(b) $\frac{6}{15}$	[1]
	(c) 215 out of 500	[1]
25.	Express as a decimal and as a fraction in its simplest form.	[0]
	85% Decimal: Fraction:	[2]
26.	John had \$75. He spent \$15 on a book. What percentage of his money does he have left?	[3]
27.	The normal price of a camera was \$76. At a sale it was sold at a discount of 15%. What was the selling price of the camera?	[3]

Answer Key

1.	(a) (b) (c)	0.4 0 0.006			
	(d)	10; 1; $\frac{1}{10}$; $\frac{1}{1}$	1 ,000		
2.	(a) (c) (e)	> > >	(b) (d) (f)	= < <	
3.	(a) (c) (e)	40 0.568 320	(b) (d) (f)	8 0.7 6,000	
4.	(a) (c)	4 cm 0.035 L	(b) (d)	6 lb 4 9 in.	OZ
5.	(a) (b) (c) (d)	800; 731.86 16; 17.739 0.5; 0.625 2,000; 2,249			
6.	(a)	713.57	(b)	2.89	
7.	\$4.2	0			
8.	27 f	t ³			
9.	(a)	120 m ³	(b)	2,375	cm ³
10.	216	cm ³			
11.	5 cm	ı			
12.	3.2	iters			
13.	3750	0 4-cm cubes			
14.	9 cm	1 ³			
15.	35.1				
16.	17				
17.	1 kg	850 g			
18.	(a)		x	x x x	x
	-	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c} x & x \\ \hline 5 & 5\frac{1}{4} \end{array}$	$\begin{array}{ccc} x & x \\ 5\frac{1}{2} & 5\frac{3}{4} \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	(b)	$2\frac{2}{3}$ lb			
	(c)	$\frac{1}{5}$			
	(d)	$5\frac{2}{5}$ lb			
19.	(a)	A: (4, 9)		B: (9	9, 5)
	(b) (c)	C: (4, 3) Check place second	ment	D: (t of poi	nt.

20. 42 cm²

21.	(a)	x	3	4	5
		у	6	8	10
		(<i>x</i> , <i>y</i>)	(2, 4)	(4, 8)	(5, 10)
	(h)	v	2	Λ	F
	(D)	x v	9	4	່ວ 15
		(x, y)	(2, 9)	(4, 12)	(5, 15)
	(c)	The dist between points in by 1 for increase x.	tance n the ncreases each e of 1 in	y 15 14 13 12 11 10 9 8 7 6 5 4 4 3 4 1 0 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	
22.	(a)			1 2	5450
_	T:	(111)			- /
A	mour	(min) 1 nt (gal) 25	$\frac{2}{5}$ 50 7	5 100 12	25 150
	(b) 1 1 1		DE 447 Gr	469)7 8	
23.	(a) (b) (c) (d)	85° 85° 32° 65°	pt c.	,	
24.	(a) (b) (c)	47% 40% 43%			
25.	0.85	$\frac{17}{20}$			
26.	80%	, o			
27.	\$64	.60			

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