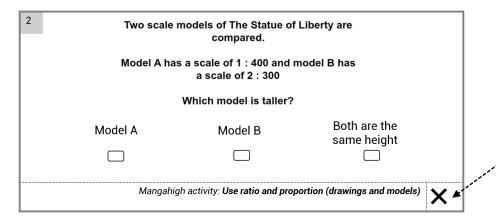
Prepare for NAPLAN Year 7

Instructions:

- 1. Complete questions in this preparation quiz (Test 1)
- 2. Have students mark their own quiz using the answer sheet provided



- 3. For each incorrect answer, complete the suggested 'Mangahigh activity'
- 4. Login to Mangahigh and use the 'Browse all activities' option, and type in the title of the Mangahigh activity. Complete the activity and earn a minimum of Bronze medal.
- 5. Once students have completed all Mangahigh activities previously marked as incorrect, they are ready to complete the post-prep quiz
- 6. Complete the post-prep quiz (Test 2)





1	A number is missing on this number line.					
			<u> </u>		→	
	9.050 9.052	9.054	†	9.058	9.060	
	Which one	of the following	g is the missing n	umber?		
	9.056	9.058	9.062	9.900		
			Mangahigh act	rivity: Order decimals		
2	Two scal	le models of The compa	Statue of Liberty red.	are		
	Model A has a scale of 1 : 400 and model B has a scale of 2 : 300					
		Which mode	l is taller?			
	Model A	Mode	:ID	Both are the same height		
	Manga	high activity: Use ra	atio and proportion (di	awings and models)		
3		25 c				
			y with this coin.			
		low much <u>cha</u>	nge do I get?			
	85 c	75 c	65 c	25 c		
			Mangahigh activi	ty: Work with money		

4	Vou con coloulata 006 460 by ou	htroating the hund	rada tana and ana	20
	You can calculate 896 - 462 by su	8 9 6	neds, tens and one	35.
	_	4 6 2		
		vity: Add and subtract la	rge numbers mentally	
			,	
5	What is the missing	operation in	this number	
	m	achine?		
			\sim	
	(1) -2 >	7 - (3)	
	−9 ÷3	- 3	× 3	
		Mangahigh activity: (Jse number machines	
c				
6	The temperature in the after	ernoon was -4°C an	id fell by $3^{\circ}C$.	
	What is the t	emperature now?		
	-1 °C -7 °C	1 ° <i>C</i>	-6 ° <i>C</i>	
			Jse negative numbers per line – Pinata Fever	

7		Which of the f	following is $\frac{2}{5}$ x 650?	
	420	390	130	260
	Má	angahigh activity: Fin	d a fraction of an amoun M	t: standard examples Iultiply with fractions
8	A car used to cos	st \$5000, but the	dealership increase	ed the price by 10%.
		How much is	the car worth now?	
	\$6000	\$6500	\$5500	\$4500
		Mang	gahigh activity: Find perc	_
			Calculate p	ercentage discounts
9	The rectangle be	low shows the sl	nape and measuren	nents of a garden.
			10 m	
		5 m	5 m	
			10 m	
		NO	OT TO SCALE	
	Which one of the fo	_	e distance in metre garden?	s around the edge of
	10m	15m	5m	30m
			Mangahigh activity:	Solve word problems Use parentheses

10	The n th term of a sequence is $7n + 3$.					
	Noah works out the first three terms of the sequence.					
	Which o	one of the following	g shows the first thi	ree terms?		
	10, 14, 21	71, 72, 73	21, 24, 27	10, 17, 24		
		Mangahigh activity	". Use nth term to genera Describe patte	te linear sequences rns and linear rules		
11						
	Which one of the	following is the sn	nallest prime numb	er greater than 11	1?	
	12	17	13	15		
						
			 nngahigh activity: Learn a	phout prime factors		
		IVIC	miganigir activity. Leam a	about prime ractors		
12		A 250g bar of cho	colate costs \$1.60			
	Whi	ch calculation wor	ks out the cost per	kg?		
	4 x \$1.60	\$1.60 ÷ 2.5	0.25 x \$1.60	\$1.60 ÷ 4		
			Mangahigh activity: So Find the	olve word problems area of a rectangle		

13		Perpendicular li	nes cross at 90°		
		110° B	° 90° 70°		
	Which	n line is perpendicu	lar to the horizonta	al line?	
	Α	В	С	D	
	Recognise	Measure angles;	Recognise perpendicular Recognise and calculate Inding angles; Understan	e opposite angles;	
14		A teacher has 3	Bm of sticky tape.		
		She gives away	25cm to a child.		
		How much tape o	loes she have left?		
	270cm	250cm	275cm	285cm	
			Mangahigh activity: Calc Use and co	culate with length; nvert metric units	
15	HOUI	RS MINUTES I: 15 PM	HOURS MINU	TES PM	
	w	ent out	came b	ack	
		How long did	l I go out for?		
	45 minutes	35 minutes	10 minutes	50 minutes	
	Record and con		tivity: Use the digital clo and hours; Convert betv		

16	A jug has 675mL of water.						
	150mL is poured into a glass.						
	How much is left in the jug?						
	550mL	575mL	525mL	425mL			
			langahigh activity: Calo of capacity; Convert m				
17		lks from square X to s the arrows. Which of t the					
		x					
			Y				
	DOWN 3 squares RIGHT 2 squares		2 squares 3 squares	RIGHT 2 squares DOWN 2 squares			
		Mangahigh a	activity: Learn about po Us e	esition and direction; compass directions			
18	Which of the fol	llowing calculation	ns gives the same	result as 4 x 3 x 6?			
	3 x 6 x 5	2 x 3 x 7	6 x 4 x 3	4 x 5 x 7			
		Mangahig	h activity: Relate addit	ion to multiplication			

19	The a	ngle between the	red line and blue li	ne is 180°	
			/		
			60°		
		180°			
	What is th	ne angle between	the black line and	the blue line?	
	140°	100°	120°	80°	
		Mangahi	gh activity: Calculate a l Id	ngles around a point entify types of angle	
_					
20	In a box there	are 10 cards with	numbers 5 cards	with pictures and 6	
	m a box mere		h letters.	man protares and s	,
	Т	he total number o	f cards in the box	is	
	21	20	22	19	
	Docian a		gh activity: Understand List possible outcomes		
01	Design c	iata conection sneets,	List possible outcomes	s ironi a single event	
21	The temperatu	re in Mexico is red	corded for five con	secutive days.	
	The temperatures were as follows: $25^{\circ}C$, $30^{\circ}C$, $35^{\circ}C$, $30^{\circ}C$, $40^{\circ}C$.				
		What is the mea	an temperature?		
	32 ° <i>C</i>	31 ° <i>C</i>	34 <i>°C</i>	33 <i>°C</i>	
			Mangahigh ac	tivity: Find the mean Interpret raw data	
				nnerpret raw uala 🗆	

		TLAN / NOWL	IACT TEST I				
22	3 x 9 is the same as 3 x 5 + 3 x						
	Which one of these answers is correct?						
	3	6	5	4			
			nise place value: hundre ion, Divide, Divide by 5,				
23		What fraction	on is not shaded?				
	$\frac{3}{8}$	<u>3</u> 5	<u>8</u> 5	$\frac{5}{8}$			
				vity: Use fractions, quivalent fractions			
24			two numbers that m to two decimal p				
	2.167 and 2.174	9.309 and 9.301	8.935 and 8.934	6.373 and 6.362			
	Manga	high activity: Round dec	imals that have up to th	ree decimal places			

		TEART HOWE	IAOT ILOTT	
25		23 000 mm	= m	
	23m	2300m	2.3m	230m
ļ				
	Mang	ahigh activity: Multiply and	divide whole number	s by 10, 100 and 1000
26		shows the cost (y ax (x axis). What is the co		
		y 20 15 10		
		0 1 2	3 4 5	6 x
	\$10	\$12	\$5	\$15
		Mangahigh activity: Plo	t and interpret real-li	fe straight line graphs
27		han shares \$60 with he of the following sho		
	\$60	\$30	\$10	\$50
		Man	ngahigh activity: Solv	e problems with ratios

	YEAR / NUMERACY - 1EST I					
28	Find the perimeter of this shape.					
		2 cr	2 cm n 6 c		cm	
	18cm	1	4cm	15cm	16	cm
		Mang	gahigh activity: C	Calculate the peri		ex shapes on a grid
29	The table shows the favourite colour of 30 students in a class. What colour is the most popular?					
	Favourite colour	Red	Blue	Green	Yellow	Purple
	Number of students	4	8	7	6	5
	blue	re	d]	yellow	greer	า
		Mai	ngahigh activity:	Construct and in	nterpret frequenc use frequen	
30	This shape has one line of symmetry. Find it.					
	A) .	В	c	- <	
	i					
			Mangahigh ac	tivity: Identify an	d draw lines of s	symmetry

Answer sheet

TEST 1	TEST 2
1. 9.056	P1. 3.314 and 3.317
2. Model A	P2. 6
3. 75c	P3. \$3.40
4. 434	P4. 353
5. ÷ 3	P5. 21
67 °C	P6. 4 - 5
7. 260	P7. 4450
8. 4500	P8. He has more than enough money
9. 30m	P9. \$6.20
10. 10, 17, 24	P10. 2, 6, 10
11. 13	P11. 37
12. 4 x \$1.60	P12. \$3.10
13. C	P13. 3cm
14. 275cm	P14. 335cm
15. 50 minutes	P15. 3:15pm
16. 525mL	P16. 450mL
17. RIGHT 2 squares DOWN 3 squares	P17. T
18. 6 x 4 x 3	P18. 3 x 6 x 7
19. 120°	P19. 190°
20. 20	P20. $\frac{1}{6}$
21. 32°C	P21. 21
22. 4	P22. 2
$23.\frac{5}{8}$	P23. 7/9
24. 2.167 and 2.174	P24. 4.896 and 4.903
25. 23m	P25. 83000 ÷ one million
26. \$15	P26. C
27. \$10	P27. \$7
28. 16cm	P28. Turkey
29. blue	P29. 3
30. A	P30. A

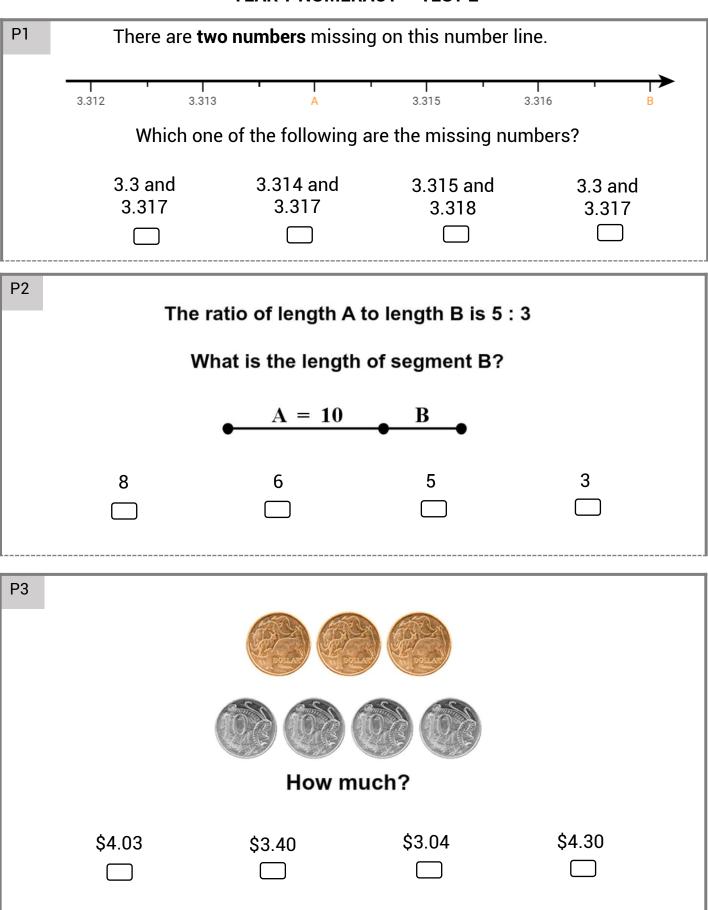


Post-preparation NAPLAN Year 7 (TEST 2)

Instructions:

Once students have completed all Mangahigh activities previously marked as incorrect, they are ready to complete the post-preparation quiz

Questions in the post-preparation NAPLAN guiz is marked as P1, P2, P3 etc.



YEAR 7 NUMERACY - TEST 2 P4 Complete the subtraction calculation. 9 7 4 6 2 1 P5 What is the output y when you use the input x = 7?28 21 14 P6 The temperature in the afternoon was $4^{\circ}C$ from $-5^{\circ}C$. Which one of the following calculations shows how to work out the new temperature? 5 - 4 -5 - 4 4 - 5 4 + 5

P7	450	00 students atte	nd Manga High	School.		
	Las	st Friday, $\frac{1}{90}$ of the	e students were	absent.		
w	hich one of the follo	wing shows hov	v many students	were present last Friday?		
	4430	4450	4410	4440		
P8	Joh	n checks the ı	noney in his v	vallet.		
	He wants to buy a table that used to cost \$140, but has now been reduced by 25% Which of these is correct? He has exactly enough money enough money enough money					
P9	Mrs Wa	arren is going sh	opping, and has	\$40.00.		
	She k	ouys shoes and	books costing \$	33.80.		
	Which ones of the following shows how much money is left?					
	\$6.20	\$6.30	\$5.20	\$7.20		

P10	The <i>n</i> th term of a sequence is $4n - 2$.									
	William works out the first three terms of the sequence.									
	Which one of the following shows the first three terms?									
	40, 41, 42	2, 6, 10	4, 8, 12	4, 3, 2						
<u> </u>										
P11	Emily thinks of a number.									
	She says, 'It is the greatest prime number less than 40.'									
	Which one of the following numbers is she thinking of?									
	31	35	39	37						
P12	1 litres is the same as 1000mL.									
	500 ml \$1.55									
	W	hat is the price of	this drink per litre	?						
	\$3.10	\$3.25	\$4.65	\$3.05						
I										

P13	These two lines are parallel.								
	Wh	3 cm nat is the distance	between the two lir	nes?					
	2cm	1cm	4cm	3cm					
P14		A teacher has	4m of string.						
	She gives away 65cm to a child.								
	How much string does she have left?								
	340cm	345cm	330cm	335cm					
P15	HOURS	MINUTES PM	HOURS	MINUTES					
	Lesso	on starts	Lesson ends						
	Peter's maths less	son lasts 1 hour a	nd 20 minutes. Wha	at time does it end?					
	3:25pm	3:15pm	2:35pm	2:45pm					

P16	A jug has 775mL of water.								
	325mL is poured into a glass.								
	How much is left in the jug?								
	550m	L		475mL			450mL 525mL		
)							
<u> </u>									
P17							of square		
	D3. It is then moved left 2 squares and down 2 squares. Mark the new position of the cross.								
							□т		
		5	ι	J		S			
		4					ΠU		
		2			X				
		1	-	г	V		□ V		
				в с	D	E			
P18									
	Which o	of th	e fol	lowin	g ca	alcul	lations gives the same result as 7 x 3 x 6?		
	3 x 6 x	7		6	x 3 x	x 5	2 x 7 x 5 9 x 6 x 8		

P19			170°						
	What is the missing angle?								
	180°	190°	90°	80°					
P20		•	* * * *						
	A dice is equally likely to land on one of the six numbers from 1 to 6. What is the probability that it lands on a number 5?								
	$\frac{1}{3}$	$\frac{1}{6}$	$\frac{1}{5}$	$\frac{5}{6}$					
P21	The total number of books owned by a class of students is 420. The mean number of books that each student owns is 20. How many students are in the class?								
	21	440	8400	20					

_									
P22	3 x 6 is the same as 3 x 4 + 3 x								
	Which one of these answers is correct?								
	4	2	9	6					
P23		What fraction of t	he circle is not shad	ded?	_				
	7 9	2 7	2 9	9 7					
P24	Which one of the following shows two numbers that give the same result when you round them to two decimals places?								
	0.116 and 0.114	6.263 and 6.267	4.896 and 4.903	8.539 and 8.545					

Which calculation has the smallest answer?								
$83000 \div$ one million $8.3 \div 10$ 8.3 million $\div 10000$ 0.83 x one thousand								
	Which lin	e shows this?						
y 20 15 10 C 5 0 1 2 3 4 5 6 x								
Α	В	С	A and B					
Λlov	ander and his broth	per share \$42 in the ra	tio 1 · 5					
Alexander and his prother share \$42 in the ratio 1:5.								
Which one of the following is the amount of money that Alexander gets?								
\$8	\$7	\$6	\$9					
	The graph sl (x axis	The graph shows the time take (x axis). A decorator take Which lin A B A A A A A A A A A A A	The graph shows the time taken in minutes (y axis) to (x axis). A decorator takes 5 minutes to lay 2 flows this? Which line shows this? A B C Alexander and his brother share \$42 in the raw Which one of the following is the amount of money gets?					

	TEAR THOMERAGE									
P2	28	The perimeter of a regular pentagon is 40cm.								
	Find the length of one side.									
	5cm	8cm	16cr	n -	10cm					
) 						
P2	The hair colour of 10 students was recorded as follows: Blonde, brown, red, brown, black, brown, blonde, red, blonde, blonde What is the missing number in the table, which shows the number of brown-haired students?									
l	Hair colour	Blonde	Brown	Black	Red					
	Number of students	4	2.5	1	2					
	4	2	3	<u> </u>	10					
This shape has one line of symmetry. Find it.										
	A	B 		C 	D					