

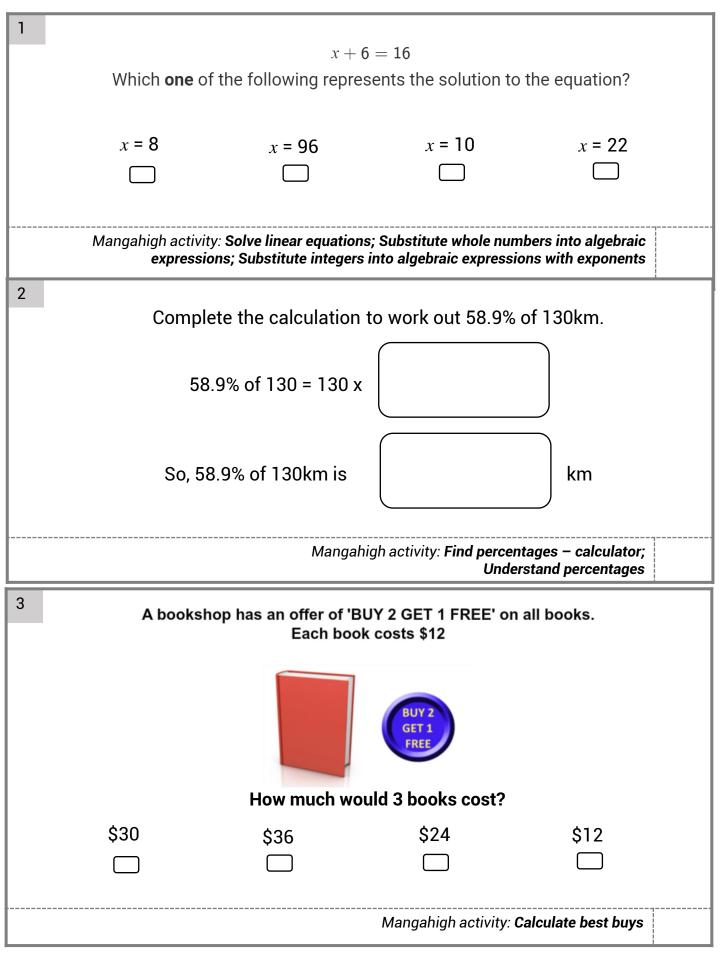
Prepare for NAPLAN Year 9

Instructions:

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

A book	shop has an offer of 'I Each boo	BUY 2 GET 1 FREE' o ok costs \$12	n all books.	
	How much w	BUY 2 GET 1 FREE ould 3 books cost?		
\$30	\$36	\$24	\$12	
		Mangahigh activity:	Calculate best buys	X

- 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



4	٢	The temperature ro	ose from 09 °C to 6	°C.
	Which one of t	he following show	vs how much the te	mperature rose?
	15 ° <i>C</i>	14 °C	3 ° <i>C</i>	4 ° <i>C</i>
			Mangahigh activity: Use Extending the number	
5	In wi	nich pattern w	vill there be 0 o	dots?
		•••		
		Pattern 1 Patt	ern 2 Pattern 3	3
	4	7	8	6
		Mangahigh	activity: Describe patter Find the nth term i	
6	A	company pays its	employees \$ x per l	nour.
		The company ha	is $2x + 3$ employees	
	Which one of t		expression for the c es for 8 hours?	cost, of paying all
	$3x^2 + 3x$	$2x^2 + 3x$	$16x^2 + 24x$	24 <i>x</i> ² + 32
		Mangahi	gh activity: Form equatio Form an exp	ns with exponents; pression or formula

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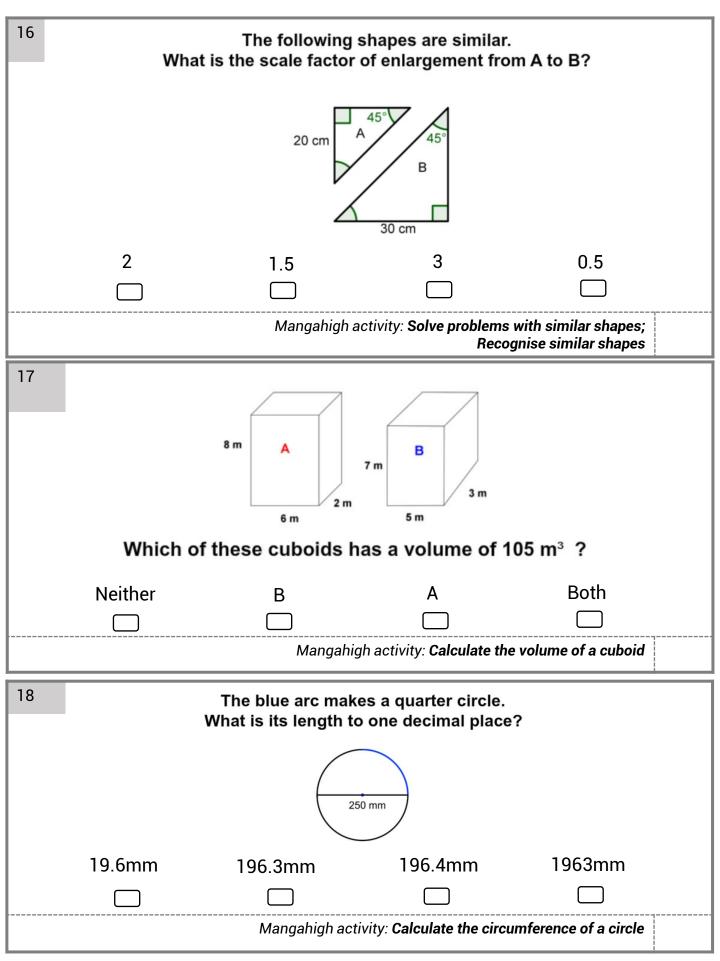
YEAR 9 NUMERACY - Test 1

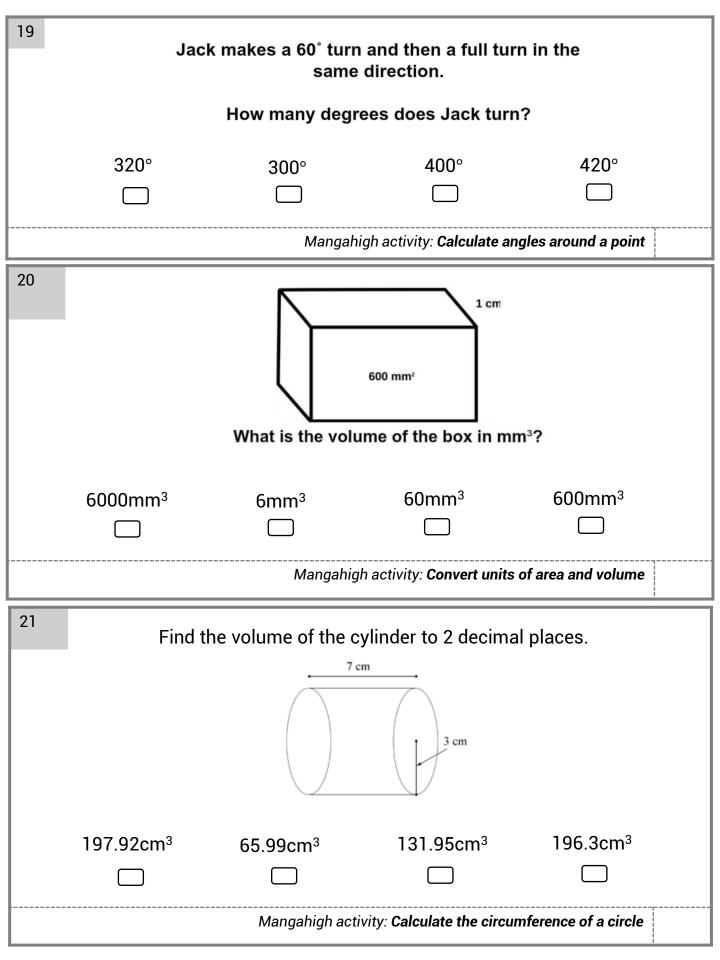
7				
7	Last year David earned \$40,000.			
	This year he earned \$46,000.			
	What is the percentage increase?			
	15%	60%	72%	46%
		Mangahigh a	activity: Find percentage	change - calculator; Use percentages
8				
	Which o	one of the followir	ng is $\frac{817}{1000}$ as a dec	eimal?
	81.7	0.0817	8.17	0.817
			ge fractions into percen Change decimals into perc	
9	Ethan	shares \$60 with h	is friend in the ratio	.1.5
	Ethan			, , , , , , , , , , , , , , , , , , , ,
	Which one of	the following sho	ws the amount that	t Ethan gets?
	\$60	\$30	\$10	\$50
			ngahigh activity: Solve p ratio and proportion (dra	

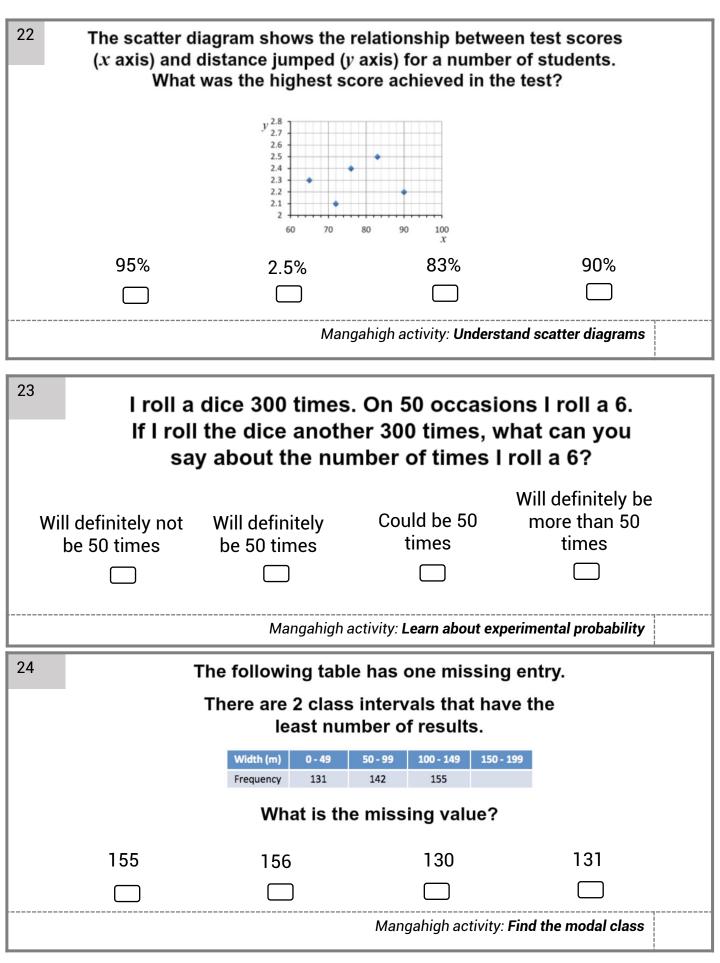
YEAR 9 NUMERACY - Test 1

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10	Evaluate			
	$\sqrt{49 + 2 \times 2}$			
	9	11	6	12
	Mangahigh act	ivity: Use the correct ord	ler of operations using b	prackets and indices
11	The dashed lines show all the lines of symmetry of an equilateral triangle. How many lines of symmetry are there?			
	3	8	6	2
		Mai	ngahigh activity: Identify Identify and drav	v lines of symmetry; w lines of symmetry
12		8 cm ²	6 cm ²	
	The surface area of the front, right and top faces of this cuboid are given above.			
	v	/hat is the total sur	face area of the cul	poid?
	42cm ²	56cm ²	52cm²	38cm²
	Mangahigh activity: Calculate the surface area of cubes and cuboids; Calculate the surface area of joined shapes; Draw and recognise nets			

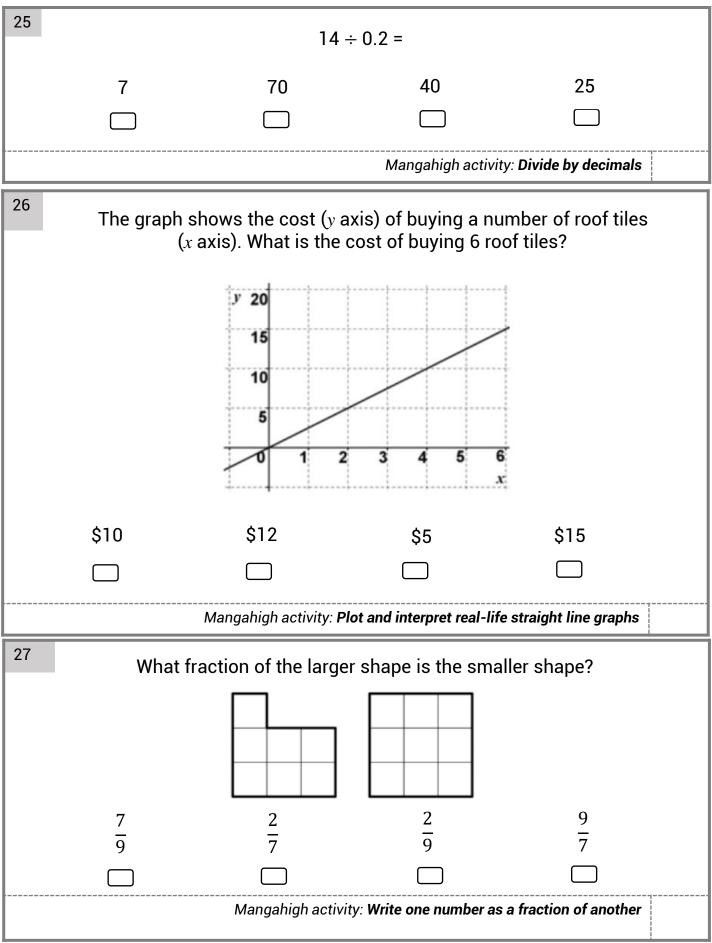
13	Luke is travelling to a meeting 9 kilometres away at 3 km/h. The meeting is in 4 hours.			
		When w	vill be arrive?	
	Early	On time	Late	Insufficient information
	Mang	ahigh activity: Solve p	problems involving speed,	distance, and time
14		A glass contain	s 300 mL of milk.	
	Which	one of the follow	ving is equal to 300	mL?
	3000 cm ³	3 cm ³	30 cm ³	300 cm ³
		Mang	ahigh activity: Use and co Convert metri	nvert metric units; ic units of capacity
15		Which of thes	e is a reflex angle?	
		A	C	
	A	В	С	D
		N	langahigh activity: Recogr Learn facts al	nise quadrilaterals; bout quadrilaterals











		YEAR 7 NUMER	RACY – TEST 1	
28	$\frac{1}{5}th$ of 150			
	30	32	25	36
		Mangał	nigh activity: Find the fra	ction of an amount
29	Multiply each term in the bracket by 10.			
	(3 <i>x</i> + 2)			
	(3 <i>x</i> + 20)	(30 <i>x</i> + 10)	(30 <i>x</i> + 20)	(30 <i>x</i> + 2)
		Mangahi	igh activity: Multiply a br	acket by a number
30		25% (of \$880.	
	\$220	\$2.20	\$8800	\$25
		Mangahigh activity:	Write one number as a l	fraction of another;
		/		-

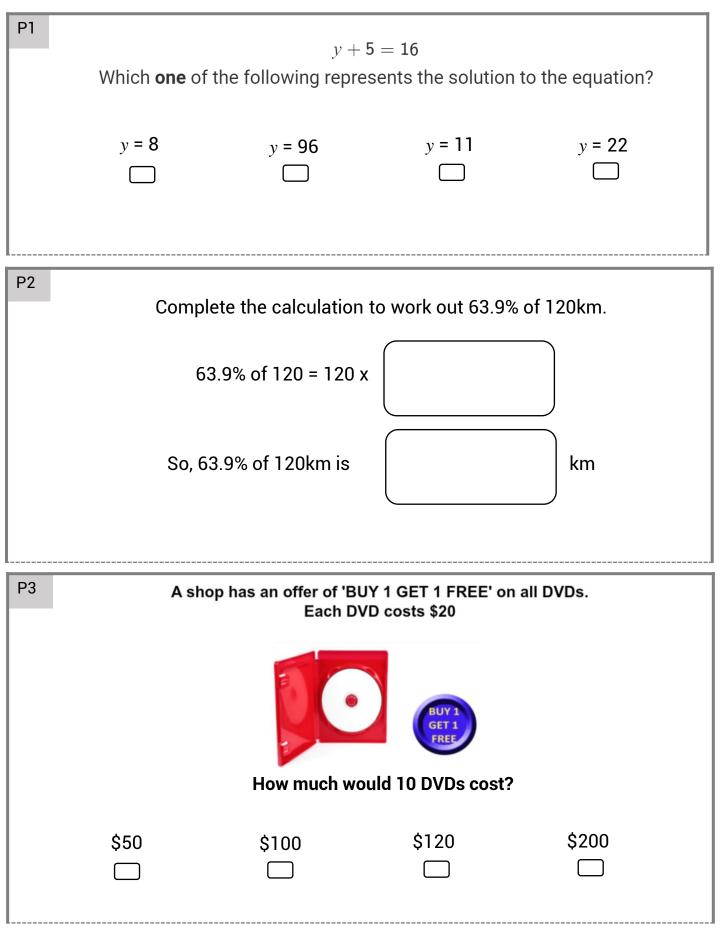


Post-preparation NAPLAN Year 9 (TEST 2)

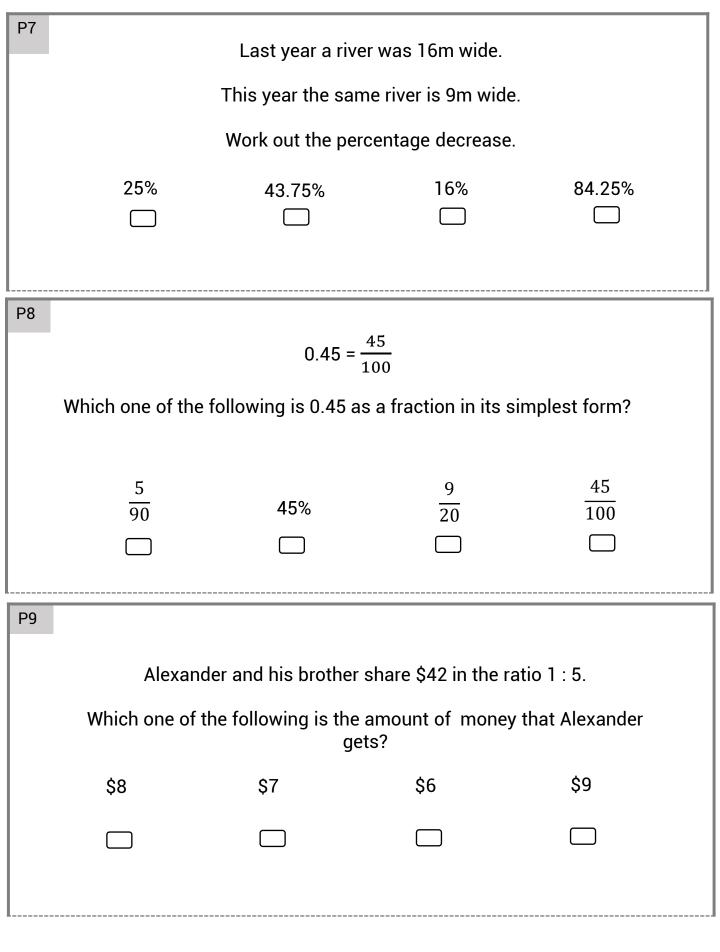
Instructions:

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

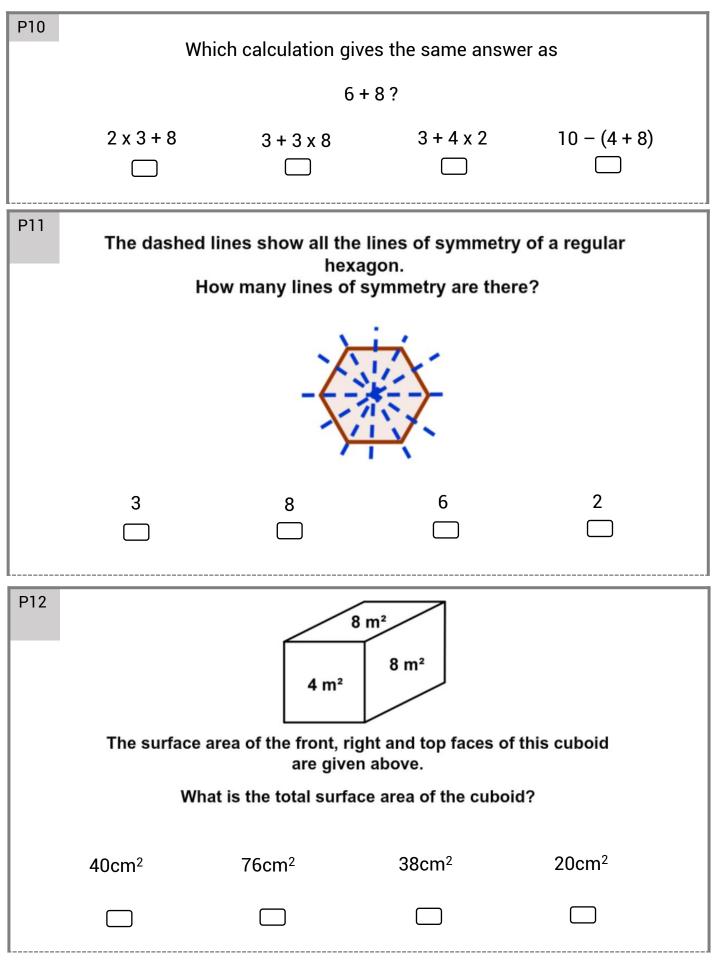
Questions in the post-preparation NAPLAN quiz is marked as P1, P2, P3 etc.



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P4	The te	mperature in New Yo	rk this afternoor	n was -4 <i>°C</i> .
	The temperature in Liverpool was 7 $^{\circ}C$.			°C.
		Which city had the	lower temperatu	re?
		New York	Liverpoo	J
P5	H	low many dots are	in the next pa	attern?
			•	
				•
		Pattern 1 Patte	ern 2 Patter	rn 3
	6	8	5	4
D .				
P6				
	The s	side lengths of a recta	angle are <i>x</i> cm a	nd 3 <i>x</i> – 2.
		The area of the red	ctangle is 20 cm	2.
	Which one of the	e following is an equa	tion in <i>x</i> for the a	area of the rectangle?
	$x^2 - 2 = 20$	3 <i>x</i> = 20	8 <i>x</i> - 8	$3x^2 - 2x = 20$
	\mathcal{A} \mathcal{L} = $\mathcal{L}0$			



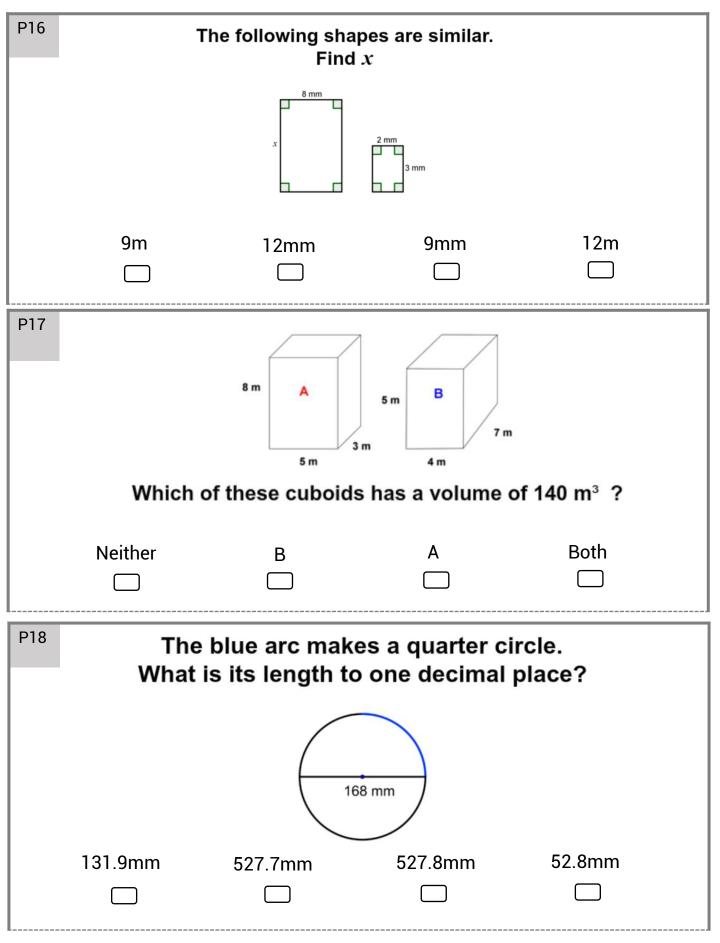
YEAR 9 NUMERACY – Test 2



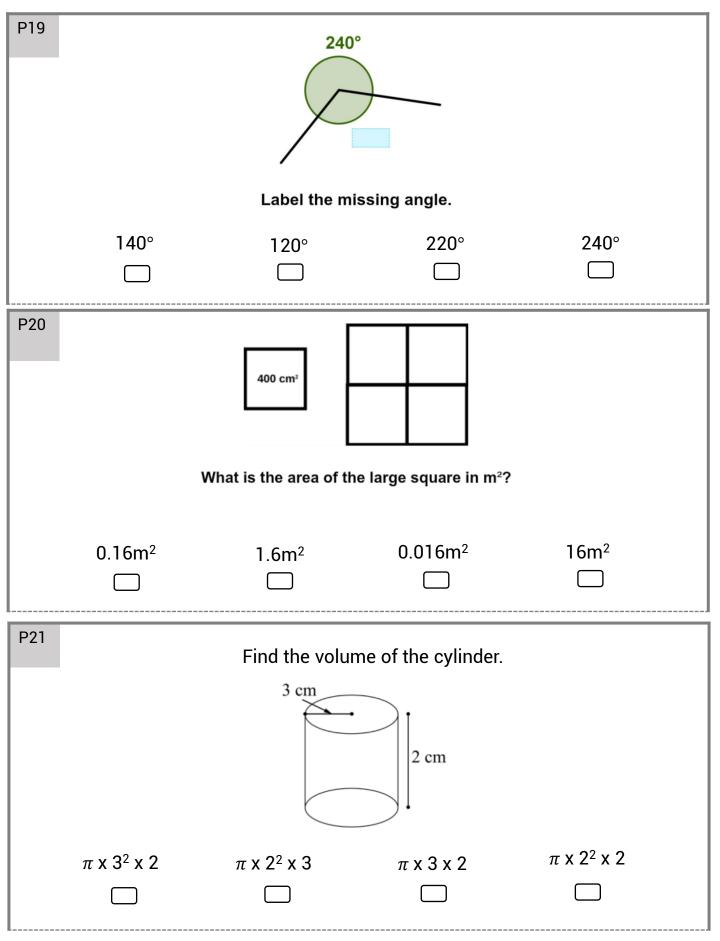
www.mangahigh.com/login

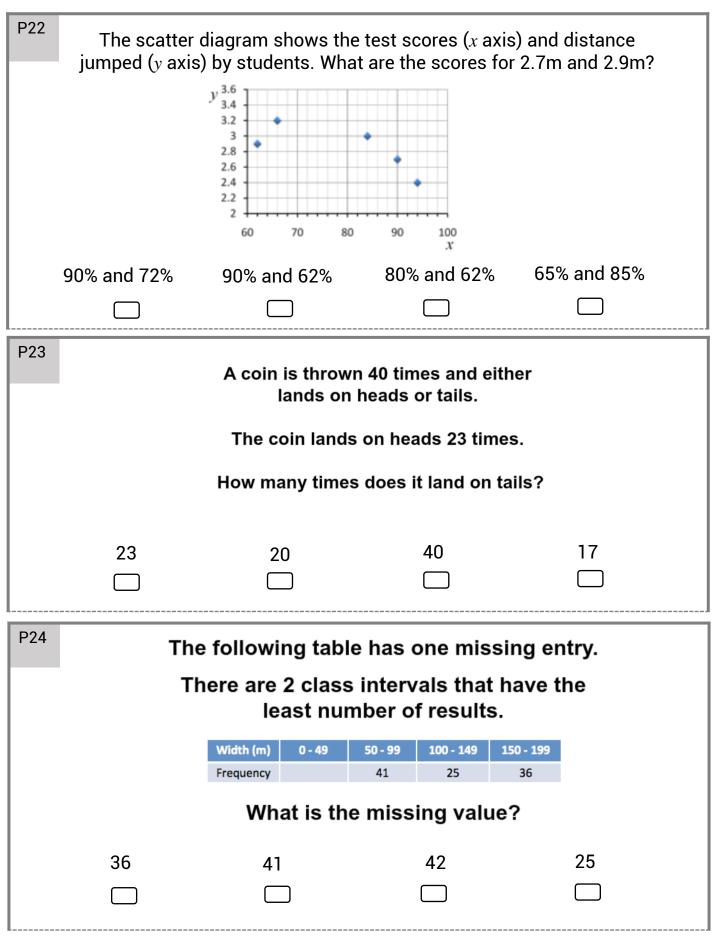
P13	A	car travels 25 kilor	netres in 30 minut	es.
	How ma	any hours does it ta	ke to travel 150 ki	lometres?
	6	12	4	3
P14	Which one o	f the following is cl	osest to the length	n of a pencil?
	17 centimetres	17 millimetres	17 metres	17 grams
P15		Which of these	e is a reflex angle?	,
		AB		
	A	B	C	D

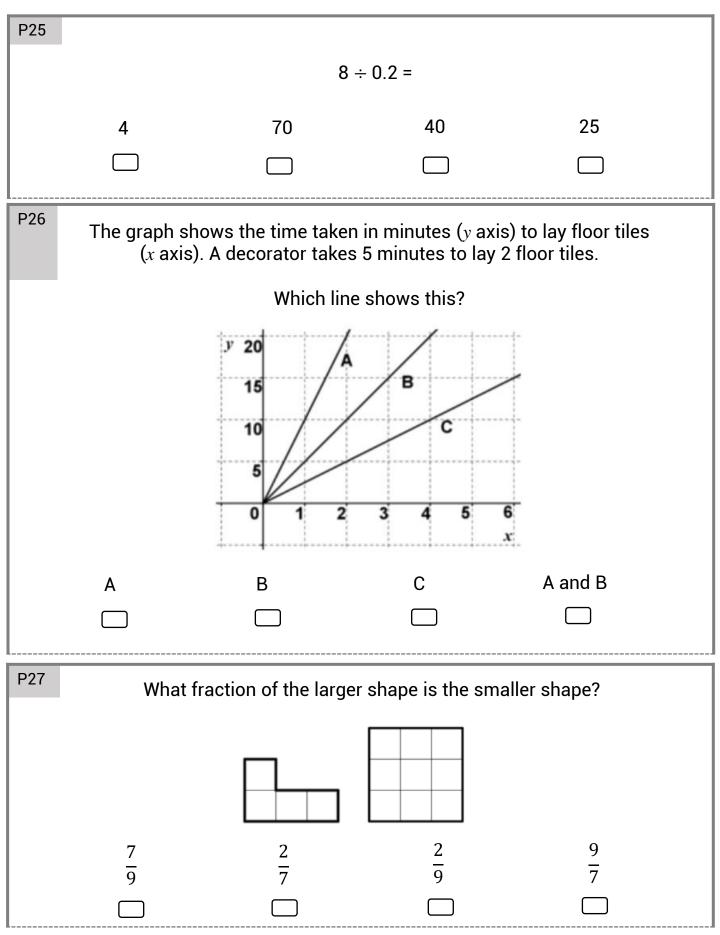
YEAR 9 NUMERACY – Test 2



YEAR 9 NUMERACY – Test 2







YEAR 7 NUMERACY – TEST 2

P28				
		What is o	ne fifth of \$1.50?	
	\$0.30	\$0.50	\$0.20	\$1
P29		Add 2	to (-2 <i>x</i> + 15)	
		What is	the answer?	
	15	(-4 <i>x</i> + 5)	(2 <i>x</i> + 17)	(-2 <i>x</i> + 17)
P30		30%	of \$80 is	
	\$24	\$2.40	\$8	\$8.80
l				

Answer sheet

TEST 1	TEST 2
1. <i>x</i> = 10	P1. y = 11
2. 76.57, 76.57km	P2. 76.68, 76.68km
3. \$24	P3. \$100
4. 15 °C	P4. New York
5. 7	P5. 6
6. $16x^2 + 24x$	P6. $3x^2 - 2x = 20$
7. 15%	P7. 43.75%
8. 0.817	P8. $\frac{9}{20}$
9. \$10	P9. \$7
10. 11	P10. 2 x 3 + 8
11.3	P11.6
12. 52cm ²	P12. 40cm ²
13. Early	P13. 3 hours
14. 300 cm ³	P14. 17 centimetres
15. B	P15. A
16. 1.5	P16. 12mm
17. В	Р17. В
18. 196.3	P18. 131.9mm
19. 420°	P19. 120°
20. 6000mm ³	P20. 0.16m ²
21. 197.92cm ³	P21. <i>π</i> x 3 ² x 2
22. 90%	P22. 90% and 62%
23. Could be 50 times	P23. 17
24. 131	P24. 25
25. 70	P25. 40
26. \$15	P26. C
27. 7 9	P27. $\frac{4}{9}$
28. (30 <i>x</i> + 20)	P28. \$0.30
29. (30 <i>x</i> + 20)	P29. (-2 <i>x</i> + 17)
30. \$220	P30. \$24