New wave of the second second

albooklet

Student's name:



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500

0.75

60°

Eddy Krajcar

New wave mental maths is a series of six student workbooks written for Australian primary schools.

Comprehensively revised in 2011 to take into account the requirements of the new national curriculum, *New wave mental maths* provides an ideal platform for the development of mental skills and mathematical concepts.

New wave mental maths provides:

- comprehensive coverage of mental mathematics concepts
- opportunities for consolidation of mathematical concepts
- practice in speed of recall
- opportunities for reinforcement of ongoing mathematical concepts
- sequential development of mathematical concepts
- a structured daily program for the whole year
- pictorial, graphic and written representation of problems
- an in-built review and assessment program (levels D–G).

Each level provides coverage of all mathematical strands applicable to mental mathematics activities.

A teachers manual, to accompany the *New wave mental maths* workbook, is also available. This contains suggestions to help develop mental strategies, a list of concepts covered, assessment and answers.

Books available in this series

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Australian School Age Levels





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	10							20					
Date	WEEK	Σ	Tu.	N	Th.	ш	Date	WEEK	Σ	Tu.	8	Th.	ш
	EK 9							EK 19					
Date	WE	Σ	Tu.	>	Th.	ш	Date	WE	Σ	Tu.	>	Th.	ш.
	EK 8							K 18					
Date	WEI	Σ	Tu.	\geq	Th.	щ	Date	WEE	Σ	Tu.	X	Th.	ш
	EK 7							K 17					
Date	WEB	Σ	Tu.	\geq	Th.	ш	Date	WEE	Σ	Tū.	\geq	Th.	ш
	:K 6							K 16					
Date	WEE	Σ	Tu.	×	Th.	ш	Date	WEEI	Σ	Tu.	8	Th.	ш
	K 5							K 15					
Date	WEE	Σ	Tu.	N	Th.	ш	Date	WEE	Σ	Tu.	8	Th.	ш
	K 4							K 14					
Date	WEE	Σ	Tu.	N	Th.	ш	Date	WEE	Σ	Tu.	8	Th.	ш
	K 3							K 13					
Date	WEE	Σ	Tu.	×	Th.	щ	Date	WEE	Σ	Tu.	8	Th.	ш
	K 2							K 12					
Date	WEE	Σ	Tu.	M	Th.	щ	Date	WEE	Σ	Tu.	M	Th.	ш
	:K 1							K 11					
Date	WEE	Σ	Tu.	8	Th.	щ	Date	WEE	Σ	Tu.	8	Th.	ш







NEW WAVE MENTAL MATHS

6



NEW WAVE MENTAL MATHS

 1. Add 75 minutes to the time? 1. Add 6 and one-quarter hours to the time. 11.23 Rⁿ + 11.23 R	eter of
 4.55 • • • • • • • • • • • • • • • • • •	eter of
 2. 3 x 7 x 4 = 3. A car travels constantly at 100 km/h for 350 km. How many hours is the trip? 2. A rectangular-shaped warehouse has a perime 80 m. If its length is 25 m, what is its width? 3. The long side is many hours have been been been been been been been be	, eter of
 2. 3 x 7 x 4 = 80 m. If its length is 25 m, what is its width? 3. A car travels constantly at 100 km/h for 350 km. How many hours is the trip? 	
3. A car travels constantly at 100 km/h for 350 km. How many hours is the trip?	
Libe long side is m	
4. $200 - 50 \div (40 \div 8) =$	
5. 1 000 000 – 50 000 = 3. How many days are in October, November and December?	_
6. 135 000 + 75 000 = 4. (600 - 200) ÷ (10 ÷ 2) =	
7. $6^{1}/_{3} + 2^{2}/_{3} =$ B 5. The LCD for $3^{1}/_{10}$ and $1^{1}/_{6}$ is	
8. C = 6. 18, 38, 78, 158,	
 290° 9. Hannah the hairdresser cuts hair for 3 days each week. 7. If the day after tomorrow is Saturday, what was yesterday? 	
In total, she cuts 123 heads of hair. What is her average number of clients each day? 8. A football match at Octopus Oval in Sydney be 12.30 pm (EST). What is the starting time in P	egins at erth?
10. One millennium = years 9. $a = \frac{35^{\circ} a^{\circ}}{a^{\circ}}$	
11. 4 $\overline{)932} =$ 10. If 9 - y = 8.5, then y =	
12. Which 2 are not nets for a cube? 11. 23 000 + 14 000 =	
A 12. (a) 72 – 8 =	
(b) 720 000 – 80 000 =	
13. How many weeks are in a year?	
14. If $3 - y = 2.7$, then $y = 1.5$ Draw the front view.	
15. 100 ÷ 5 = 14. Share \$3 among 6 girls. each	
16. $2.7 > {}^{28}/_{10}$ true false	
17. Draw a ¹ / ₂ turn clockwise.	
18. Two coins were tossed one after another. Write the four 16. If $32 = 2^a$, then $a = 1$.	-
possible outcomes.	
18. How many faces does a dodecahedron have?	
T = tails $H = heads19. Write the factors of 48.$	
20. Draw all the shape's lines of symmetry.	
19. Double 7.7. , Double 77.7	
20. If a bus leaves its depot at 4.15 pm and has to stop at 5 locations at 15-minute intervals, what time is it by the	
	\frown
	()-
Trial booklet MY SCORE	MY SCORE









FRIDAY TEST WEEK 19



FRIDAY TEST WEEK 20					
1. $0.45 = \%$ 2. Your school has twice as many girls (g) than boys (b). Which expression shows the number of boys? (a) $g \div 2$ (b) $g \ge 2$ (c) $b \div 2$ (d) $b \ge 1/2$					
3. The product of 6 and 8 is					
4. Name this shape.					
5. Write 6.237 million as a numeral.					
6. Which is an obtuse angle?					
7. $9^{3}/_{4} + 1/_{2} =$					
8. ³ / ₅ is between: (a) 0.3 and 0.5. (b) 0.5 and 0.7. (c) 0.7 and 0.9.					
9. 37 + 92 =					
10. 100 kL = L					
11. $1/_{2} > 0.9$ true false					
12. 40 ÷ 8 = ÷ 4 =					
13. A nonagon has sides.					
14. Which is not a net of a triangular prism?					
15. 500 - 0.009 =					
16. 9.97, 9.98, 9.99,					
17. Is 1935 divisible by 9?					
18. If 2 x $a = 1000$, then $a = $					
19. Draw the top view.					
20. 17 500 mm = m					
21. If there are 8000 Newcastle Magpies fans and 4000 Adelaide Devils fans, what is the simplified ratio?					
22. What is the perimeter of a regular hexagon with 9-cm sides?					
23. Which box is the lightest?					
24. If you place a 5-cm ³ block of wood into a bucket of water, what capacity is displaced? mL					
25. What is the probability of selecting a green jelly bean from a jar if there are 50 green, 100 red and 100 white jelly beans?					
()_					
MY SCORE					
NEW WAVE MENTAL MATHS					

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