New wave mental maths

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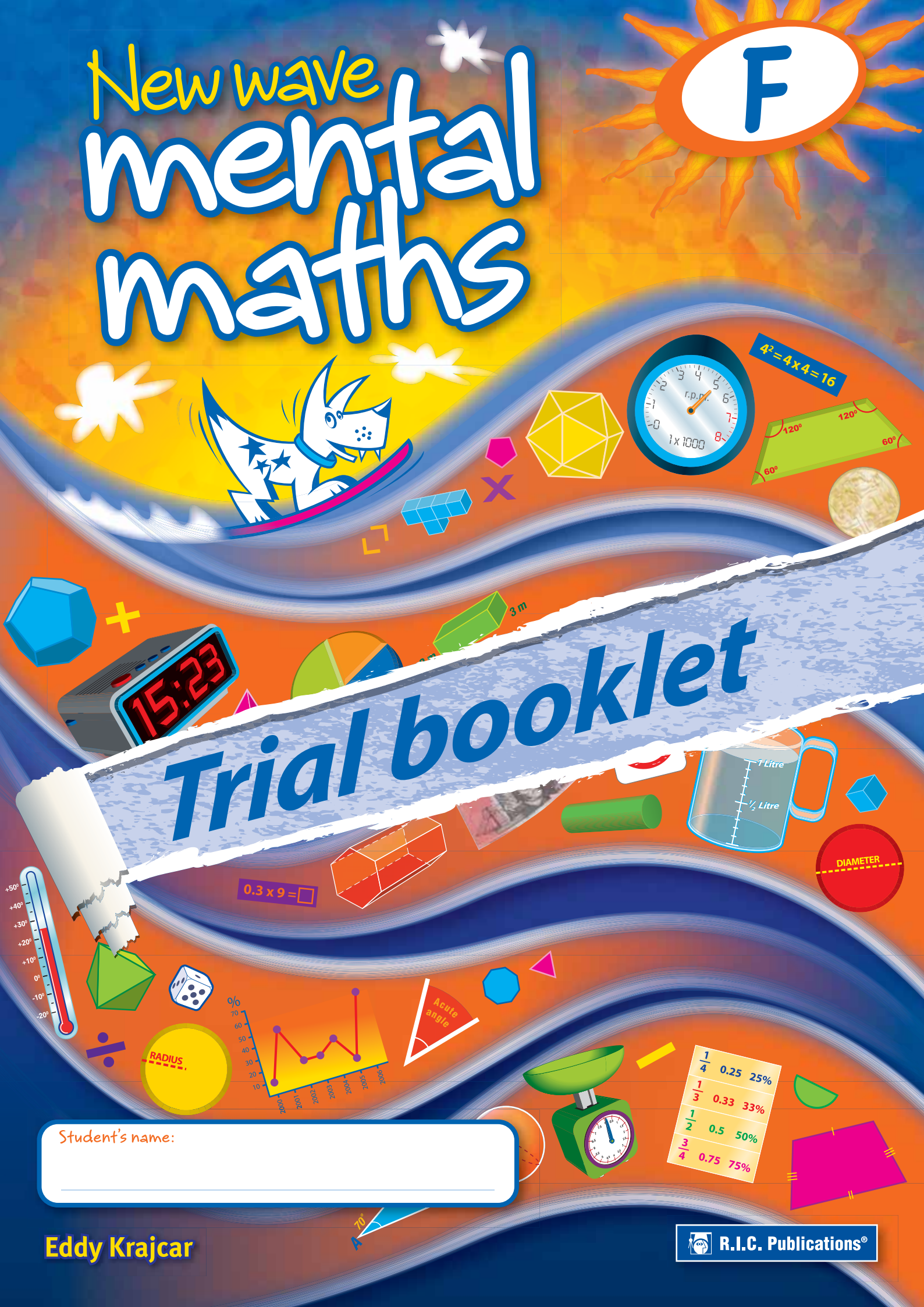

Trial booklet

Student's name:

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R.I.C. Publications®

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

New wave mental maths	Book B	RIC-1701	978-1-921750-00-7
New wave mental maths	Book C	RIC-1702	978-1-921750-01-4
New wave mental maths	Book D	RIC-1703	978-1-921750-02-1
New wave mental maths	Book E	RIC-1704	978-1-921750-03-8
New wave mental maths	Book F	RIC-1705	978-1-921750-04-5
New wave mental maths	Book G	RIC-1706	978-1-921750-05-2
New wave mental maths	Teachers guide	RIC-1707	978-1-921750-06-9

Australian School Age Levels

	A	B	C	D	E	F	G
AGES	5–6	6–7	7–8	8–9	9–10	10–11	11–12

R.I.C. Publications®
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Incorporating **new national curriculum requirements**

Revised 2011

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STUDENT RECORD SHEET

Date		Date		Date		Date		Date		Date		Date		Date		Date		Date	
WEEK 1		WEEK 2		WEEK 3		WEEK 4		WEEK 5		WEEK 6		WEEK 7		WEEK 8		WEEK 9		WEEK 10	
M		M		M		M		M		M		M		M		M		M	
Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.	
W		W		W		W		W		W		W		W		W		W	
Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.	
F		F		F		F		F		F		F		F		F		F	

Date		Date		Date		Date		Date		Date		Date		Date		Date		Date	
WEEK 11		WEEK 12		WEEK 13		WEEK 14		WEEK 15		WEEK 16		WEEK 17		WEEK 18		WEEK 19		WEEK 20	
M		M		M		M		M		M		M		M		M		M	
Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.	
W		W		W		W		W		W		W		W		W		W	
Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.	
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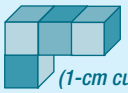
MONDAY

1. What is the surface area?



2. 300, 30, 3, 0.3, ____

3. This has rotational symmetry to the order of:
   1☐ 2☐ 3☐ or 4☐.

4. Round 4.83 to the nearest tenth. ____

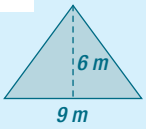
5. 8019 – 100 = ____

6. $^1/_4 + {}^1/_2 = {}^{\square}/_4$

7. Simplify $^{14}/_{20}$ ____

8. Write *half a million* in numerals.
   ____

9. Area = ____ m^2



10. 32 < 4 x 8 ☐ *true* ☐ *false*

11. 8 x 9 = ____

12. If 70 + 80 = 30 x *f*, then *f* = ____.

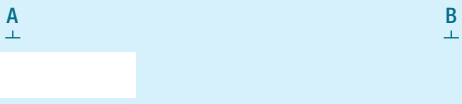
13.  Rotate 450° clockwise

14. Subtract 110 000 from one million.
    ____

15. 0.03 = ____ %

16. $20.00 – $12.50 = ____

17. Measure in millimetres the distance from A to B.



18. 8 x 8 = 4 x 16 = 2 x 32 = ____

19. 

    What is the new price? ____

20. 3, 6, 30, 60, 300, ____

MY SCORE

TUESDAY

1. *Wanna-B Diva* *Far Lap*

   Which horse was faster at cross-country horse riding? How many seconds faster was it?
   ____

2. 9998 + 8 = ____

3. If you can ride your bike 6 km in 20 minutes, how far would you ride in 2 hours?
   ____ km

4. Simplify $^{15}/_{18}$ ____

5. Write *one and a half million* in numerals.
   ____

6. 10 707 – 1000 = ____

7. Round 4.77 to the nearest tenth. ____

8. A map's scale: 1 cm = 8 km. If Albany to Denmark measures 9.5 cm, the distance is ____.

9. Draw a reflection of the letter shapes. sqs ____

10. What is the probability of picking the 8 of diamonds from a pack of 52 playing cards?
    ____ out of ____

11. How many $50 banknotes make up $1250?
    ____

12. The sum of 14 and 37 is ____.

13. What 2-D shape will the cross section be?
    ____

14. $5\overline{)890}$ = ____

15. 0.25 = ____ %

16. a = $100 x 4, b = $50 x 5, c = $20 x 10
    $a + b + c$ = $____

17. odd x even = ____

18. Write $^{43}/_8$ as a mixed number. ____

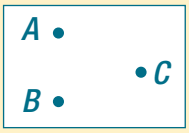
19. $50.00 – $11.75 = ____

20. 10 019 – 1000 = ____

MY SCORE

WEDNESDAY

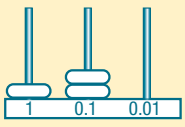
1. What is the time if you add 15 minutes to 8.52?
2. Magnet Mining's truck can carry 45 tonnes. The loader's bucket holds 9 t. How many scoops of ore does it take to fill the truck?
3. $1 \div 10 = {}^{1}/_{10} = 0.$ ____ = ____ %
4. Write *four-hundredths* as a decimal.
5. a = \$100 x 9, b = \$50 x 7,
   c = \$20 x 9, d = \$10 x 12
   $a + b + c + d$ = \$
6. 6358 – 9 =
7. Round 3.62 to the nearest tenth.
8. ${}^{2}/_{3} - {}^{1}/_{6} =$ ____ $/_{6} =$ ____ $/_{2}$
9. Which is equally divisible by both 3 and 5: 390 or 490?
10. Label and draw arrows to show:
    A to B is south
    C to B is south-west.



11. 16 + 18 =
12. Draw a pair of parallel lines.
13. In which century was the year 1152?
14. How many \$20 banknotes make up \$1440?
15. The product of 12 and 7 is ____.
16. This angle is:

☐ *0°* ☐ *180°* ☐ *360°*

17. 50 x 9 = 100 x 4.5 =
18. Adding 2 beads to each bar on the abacus = ____.



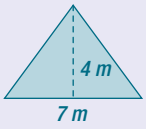
19. $1 > {}^{3}/_{4} > 0.5$ ☐ *true* ☐ *false*
20. Write in ascending order.
    2, 0.02, 0.2, 0.22, 2.2, 2.22, 2.02

MY SCORE

THURSDAY

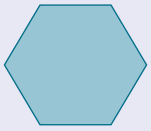
1. 7000 + 5000 + 6000 =
2. What was the total number surveyed?
   How many liked silver?

3. Area = ____ m^2



4. Double 46 750.
5. Halve 30 750.
6. If it is 9 pm, what will the time be in 28 hours?
7. 7305 – 8 =
8. Which is equally divisible by 3 and 5: 810 or 910?
9. If 10 000 – 5000 = 1000 x g, then g = ____.
10. Label the 2-D shapes.
    (a) *rhombus* (b) *octagon*
    (c) *pentagon* (d) *kite* (e) *hexagon*

11. A = \$100 x 7, B = \$50 x 9, C = \$20 x 7
    A + B + C = \$
12. $0.09 < {}^{1}/_{2} > 0.03$ ☐ *true* ☐ *false*
13. Write *one and a quarter million* as a numeral.
14. Draw the lines of symmetry.



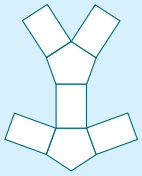
15. ${}^{3}/_{10} - {}^{1}/_{5} =$ ____ $/_{10}$
16. 11 x 7 =
17. What is the difference between 64 and 9?
18. What is the probability of picking a king, queen or jack of hearts from a pack of 52 playing cards?
    ____ out of ____
19. Write in descending order.
    3.13, 3.00, 0.3, 3.03, 0.33, 3.33,
20. Show as a ${}^{3}/_{4}$ turn anticlockwise.

MY SCORE

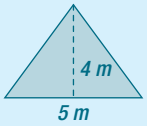
MONDAY

1. $27 \div 3 =$ ____
2. $30 + 80 =$ ____
3. This has rotational symmetry to the order of ____.

4. Write in ascending order.
   7, 0.7, 0.07, 7.7, 7.17, 7.07
   ____
5. Simplify $^{6}/_{9}$ ____
6. Round 8.22 to the nearest tenth. ____
7. This is a net for a ____.



8. $^{3}/_{4} + {}^{3}/_{4} =$ ____ $/_{4} = 1$ ____ $/$ ____
9. Area = ____ m^2

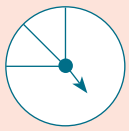


10. Write $^{57}/_{10}$ as a mixed number. ____
11. Silvio has two coins. One lands on heads, the other tails. What is the chance of this?
    ____
    (a) *0.2* (b) *0.25* (c) *0.5* (d) *1*
12. Write the number sentence: Mrs Wartnose has a $20 banknote to pay for a $6.40 cafe bill. What would be her change?
    ____
13. ____, 9, 90, 900
14. In 532 000, the place value of the 3 is ____.
15. Write *eleven thousand* as a numeral.
    ____
16. $^{3}/_{4} - {}^{1}/_{2} =$ ____ $/_{4}$
17. What measures the distance travelled in a car?
    ☐ *petrol gauge* ☐ *odometer*
    ☐ *radiator* ☐ *speedometer*
18. If $900 - 300 = p + 300$, then $p =$ ____.
19. 1050 m = ____ km
20. 17 000 – 9500 = ____

MY SCORE

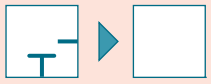
TUESDAY

1. $40 \div 5 =$ ____
2. $10^3 =$ ____ x ____ x ____ = ____
3. $9994 + 9 =$ ____
4. $4500 - 8 =$ ____
5. Label the spinner.
   A is the same chance as B.
   C is a 75% chance.



6. Round 7.11 to the nearest tenth. ____
7. Adam Grilledcheese and Brett Pea both had a batting average of 30 runs over 3 innings. What was the total number of runs scored?
   ____
8. What 2-D shape will you see in the cross-section? ____

9. $^{5}/_{6} - {}^{1}/_{3} =$ ____ $/_{6}$
10. Rotate 180° clockwise.



11. Halve 9. ____
12. The starting number is ____.
    Halve the number, add 8, divide it by 4 and the answer is 7.
13. A triangular pyramid has ____ vertices.
14. What is the probability of picking a king, queen, jack or ace of diamonds from a pack of 52 playing cards? ____ out of ____

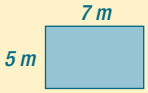
15. 1, 4, 9, 16, ____, 36
16. $50.00 – $35.40 = ____
17. Double 19 950. ____
18. If a book has 72 pages, how many times would the numeral 5 appear in the page numbering?
    ____
19. If $800 - 500 = 100 \times p$, then $p =$ ____.
20. Write in descending order.
    8, 8.8, 0.8, 0.08, 8.18, 8.08, 8.88
    ____

MY SCORE

Trial booklet

WEDNESDAY

1. Order these long jumpers from first to fourth.
   - ☐ *Eddy ..... 6.45 m*
   - ☐ *Freddy ..... 5.86 m*
   - ☐ *Neddy ..... 6.06 m*
   - ☐ *Teddy ..... 6.60 m*
2. Halve 41 900. ☐
3. $^1/_2 + {}^1/_4 =$ ☐ $/_4$
4. Round 6.49 to the nearest tenth. ☐
5. Area = ☐ m^2



6. Perimeter = ☐ m
7. \$20 x ☐ = \$480
8. 2903 – 7 = ☐
9. A cuboid has ☐ vertices.
10. What is the month prior to June? ☐
11. 5 x 8 = ☐
12. In 641 000, the value of 4 is ☐.
13. Draw the line(s) of symmetry.

14. 10% = 0.☐
15. If it is 1 am, what time will it be in four and a quarter hours? ☐
16. This 2-D shape is a ☐.

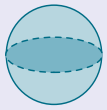
17. $2^3 =$ ☐ x ☐ x ☐ = ☐
18. 12 000 – 7000 = ☐
19. 1.070 km = ☐ m
20. 10 101 – 1000 = ☐

MY SCORE

THURSDAY

1. Place these swimmers in their correct finishing order.
   - ☐ *Oliver.....63.61*
   - ☐ *Rohan 62.82*
   - ☐ *Malick 61.78*
   - ☐ *Alex 59.99*
2. $10^4 =$ ☐ x ☐ x ☐ x ☐ = ☐
3. A wizard has made 1.5 L of potion. He then makes 1 L more. Draw the new volume?

4. $^4/_5 - {}^3/_{10} =$ ☐ $/_{10} =$ ☐ $/_2$
5. Round 3.94 to the nearest tenth. ☐
6. 1 ha = ☐ m^2
7. $2 + {}^3/_{10} + {}^4/_{100} =$ ☐ . ☐
8. Shane Corn and Simon Catfish both had a batting average of 40 runs over 4 innings. What was their total number of runs scored? ☐
9. If $15 \div 5 = p \div 10$, then $p =$ ☐.



10. This 3-D shape is a ☐.
11. If you rode your bike 8 km in 20 minutes, how far would you ride in 1 hour? ☐

12. Write *eleven thousand, one hundred and eleven* as a numeral. ☐
13. 3 x 7 = ☐
14. What is the speeding fine?

- ☐ *5–12 km/h \$100*
- ☐ *13–20 km/h \$120*
- ☐ *21–29 km/h \$140*
- ☐ *30–36 km/h \$200*

15. Does A have 1 or 2 lines of symmetry? ☐
16. Which is even: 1209 or 990? ☐
17. A number pattern starts at 19 and increases by 11s. What is the 10th number in the sequence? ☐
18. \$50.00 – \$31.40 = ☐
19. 14 000 – 3500 = ☐
20. $5\overline{)480} =$ ☐

MY SCORE

Trial booklet

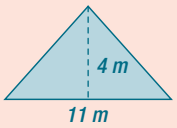
MONDAY

1. What is the time if the long hand of a clock is on 10 and the short hand is between 10 and 11?
2. 4 x 1000 + 4 =
3. This angle is likely to be:
   ☐ *45°* ☐ *135°* ☐ *180°*
4. 90 + 80 =
5. 1 ÷ 2 = $^1/_2$ = 0.
6. Sage had two coins. Both landed on heads. What is the chance of this?
   (a) *0.2* (b) *0.25* (c) *0.5* (d) *1*
7. If 20 ÷ 4 = q ÷ 10, then q = .
8. Round 9.96 to the nearest tenth.
9. 16 + 19 =
10. 6111 – 10 =
11. Write the numeral that is *one hundred* more than *thirty-nine thousand and eleven*.
12. Your teacher passes out a box of bananas to a group of 8 students. Each student has 5 bananas. How many bananas were in the box?
13. Order from greatest to least. 0, –8, 4, 7, –3
14. If 45 – 10 = 5 x k, then k = .
15. To calculate 4 x 44:
    (a) ☐ *double 40 then + 4.*
    (b) ☐ *double 44 and then double the answer.*
    (c) ☐ *double 44 then + 44.*
16. In the number 44, the first 4 is greater than the second 4 by:
    (a) ☐ *10x* (b) ☐ *100x* (c) ☐ *1x*
17. Can a circle and triangle tessellate together?
18. If it is 6 am, what time will it be in 20 hours?
19. Are b and d congruent?
20. 0.4 > $^1/_2$ ☐ *true* ☐ *false*

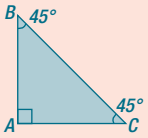
MY SCORE

TUESDAY

1. 13 000 – 7000 =
2. Area = m²



3. 350 + 150 = ,
   3500 + 1500 =
4. In 252, the first 2 is greater than the second 2 by:
   (a) ☐ *1x* (b) ☐ *10x* (c) ☐ *100x* (d) ☐ *0x*
5. In which century was the year 1378?
6. 8 – $^2/_5$ =
7. 55 x 4 =
   (a) ☐ *2 x 55 + 2*
   (b) ☐ *2 x 55 x 2*
   (c) ☐ *2 + 55 x 2*
8. Simplify $^{16}/_{20}$
9. A tap leaks at a rate of 1 L every half minute. How much water is lost after 5 minutes?
10. Draw a reflection of the letter shapes. pen
11. What is the angle size of a right angle?
12. If 32 ÷ 8 = 40 ÷ h, then h = .
13. What is the sum of all the angles in △ABC?



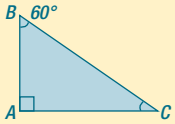
14. An odometer is used to measure:
    ☐ *seconds passed.* ☐ *kilometres travelled.*
    ☐ *kilograms weighed.*
15. 1 ÷ 4 = / = 0.
16. Your generous teacher gave 6 students 4 lollies each. How many lollies were given out? Write the question as a number sentence.
17. Double 9950.
18. 7^2 =
19. Write $^{34}/_7$ as a mixed number.
20. If you can ride your bike 12 km in 20 minutes, how far would you ride in 1 hour?
    km

MY SCORE

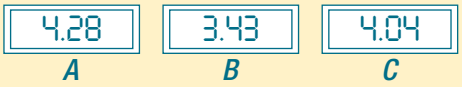
WEDNESDAY

1. 600 + 7000 + 40 = ____
2. 4777 – 9 = ____
3. If 200 ÷ 10 = 4 x u, then u = ____.
4. Halve 560. ____
5. Circle the heavier side.

6. If a tap leaks at a rate of 1 L per half minute, how many litres are lost after 10 minutes?
____
7. Round 10.43 to the nearest tenth. ____
8. What is the value of ∠C?



____
9. 17 + 13 = ____
10. If 2 lines alongside each other never meet, they are ____ to each other.
11. 8^2 = ____
12. This 3-D shape is a

____.
13. The difference between 121 and 8 is ____.
14. 1 ÷ 10 = $^1/_{10}$ = 0. ____
15. 

Eliza Emu beat Esther Emu by 21 seconds.
Which time is Eliza's? ____
Esther's? ____
16. What is the probability of picking an ace or a king from a pack of 52 playing cards?
____ out of ____
17. If a map has a scale of 1 cm = 10 km, how far is 4.2 cm? ____ km
18. In 3235, the first 3 is greater than the second 3 by:
(a) ☐ *10x* (b) ☐ *100x* (c) ☐ *1000x*
19. $50.00 – $43.60 = ____
20. 10 t = ____ kg

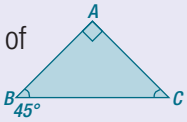
MY SCORE

THURSDAY

1. 80 000 – 2500 = ____
2. If a tap leaks 0.5 L every half minute, how many litres are lost after half an hour?
____
3. If 40 ÷ 8 = 5 x t, then t = ____.
4. If it is 4 pm, what time will it be in 47 hours?
____
5. 9981 – 8 = ____
6. Round 10.56 to the nearest tenth. ____
7. $^1/_2$ + $^1/_4$ = ____/4
8. 8 x 6 = ____
9. Rank in ascending order. 1, 5, –3, 6, –4, 0, –2
____
10. Rotate the shape 90° clockwise.

11. In 8038, the first 8 is greater than the second 8 by:
(a) ☐ *1x* (b) ☐ *10x*
(c) ☐ *100x* (d) ☐ *1000x*
12. Double 275. ____
13. 1 ÷ 5 = ____/____ = 0.2
14. Circle the 2 congruent shapes.

15. Write in ascending order.
3.3, 0.3, 0.33, 3.33, 3.13, 3.03
____
16. Start at 99 and count by 9s. What is the 7th number in the sequence? ____
17. What 2-D shape has 4 equal sides but is not a square? ____
18. Write the number sentence. Mrs Wartnose spent $8.40 at Cauldron's Cafe. What is her change from $10? ____
19. Simplify $^4/_{12}$ ____
20. What is the value of ∠C? ____



MY SCORE

Trial booklet

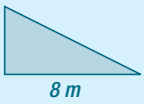
MONDAY

1. What is the time?

2. 80 + 70 =
3. 9997 + 5 =
4. 8873 – 4 =
5. If you can ride your bike 11 km in 20 minutes, how far would you ride in 2 hours?

km

6. Round 19.97 to the nearest tenth.
7. $4\overline{)900}$ =
8. 1 ÷ 100 = $^{1}/_{100}$ = 0.
9. Area = m²



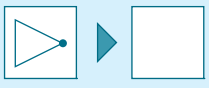
10. 450 + 150 =

    4500 + 1500 =

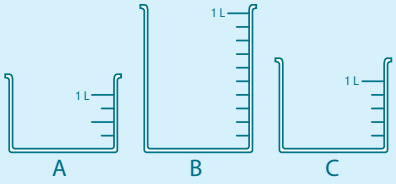
11. Write *one hundred and ten thousand and eleven* as a numeral.

12. Draw an arrow to show 5400 r.p.m.
13. Draw an arrow to show 9600 r.p.m.

14. 8 – $^{4}/_{5}$ =
15. Halve a number, take away 7, add 3 and the answer is 11. The starting number is .
16. 4, 8, 16, 32,
17. Rotate 180° clockwise.



18. Which container is better to use if measuring 225 mL?

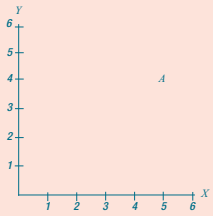


19. 50 x 60 =
20. $^{1}/_{3}$ + $^{1}/_{2}$ = $/_{6}$

MY SCORE

TUESDAY

1. What is the coordinate for A?

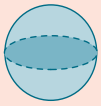


☐ *(5,6)* ☐ *(4,5)*
☐ *(5,4)* ☐ *(6,5)*

2. $4\overline{)232}$ =
3. 2974 – 9 =
4. Conor, a batsman, has an average of 20. On his sixth innings he scores 80 runs.

   What is his new average?

5. 5 – $^{3}/_{4}$ =
6. The sum of 9 and 7 is .
7. 1.04 km = m
8. H has lines of symmetry.
9. $^{1}/_{2}$ – $^{1}/_{4}$ = $/_{4}$
10. This is a .



11. 12 000 kg = t
12. The rule is x12, so the next number is:

    (a) *5000* (b) *5183*
    (c) *5184* (d) *5180*

    3, 36, 432,

13. Your teacher's vintage car is 80 years old.

    How many decades old is the car?

14. What are the chances of picking a red card from a deck of 52 playing cards?

    out of

15. If it is 12 am, what time will it be in 25 hours?
16. What form of money exchange is available from a post office?

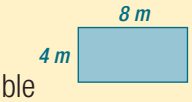
    ☐ *envelopes*
    ☐ *money order*
    ☐ *parcels*

17. Double 750.
18. Write $^{85}/_{9}$ as a mixed number.
19. 9^2 =
20. Simplify $^{5}/_{20}$

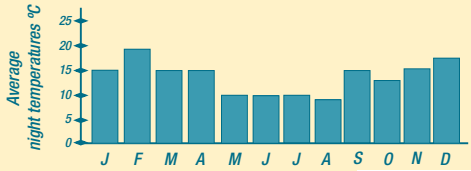
MY SCORE

WEDNESDAY

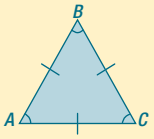
1. Halve 71 900.
2. 4000 – 2500 =
3. 4209 – 10 =
4. 9995 + 9 =
5. $^{2}/_{3} + {}^{2}/_{3} = {}/_{3}$
6. Rashida has an average of 8 goals per game. During her 8th game she scores 24 goals.
   What is her new average?
7. Round 19.03 to the nearest tenth.
8. Area = m²



9. Which is equally divisible by 3 and 5: 855 or 875?



10. Which month was the coldest?
11. Which month was the warmest?
12. Which months were below 15 °C?
13. Between 1500 BC and the year 2000 AD there is years difference.
14. What is the angle size at:
    A? B? C?



15. $4\overline{)496}$ =

16. This is a
17. In 2412, the first 2 is greater than the second 2 by:
    (a) ☐ *1x* (b) ☐ *10x* (c) ☐ *100x*
    (d) ☐ *30* (e) ☐ *1000x*
18. 2 ÷ 4 = / = $/_{2}$ = 0.
19. $50.00 – $18.75 =
20. To calculate 4 x 49:
    (a) ☐ *double 49 and double the answer.*
    (b) ☐ *4 x 40 + 9.*
    (c) ☐ *40 x 4 + 9, then add 40.*

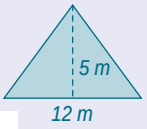
MY SCORE

THURSDAY

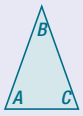
1. Rusty's nursery had 100 orange trees at the start of the week.
   Read the data and complete the table.

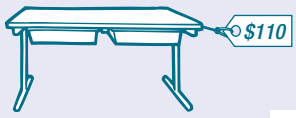
	M	T	W	T	F	S
Sales					24	
Balance	86	73	67	24	0	

2. 10^{5} = x x x x =
3. Area = m²



4. 9996 + 8 =
5. 8003 – 10 =
6. In 3483, the first 3 is greater than the second 3 by:
   (a) ☐ *1x* (b) ☐ *3x*
   (c) ☐ *1000x* (d) ☐ *100x*
7. 12 x 8 =
8. 12^{2} =
9. The product of 6 and 8 is .
10. Mark as an isosceles triangle.



    Which two angles are equal?
11. 

    What is the new price?
12. One century = years
13. Write *ninety-two thousand, eight hundred and eleven* as a numeral.
14. Rotate 90° anticlockwise.

15. If it is 11 am, what time will it be 27 hours later?
16. Is Z symmetrical?
17. Simplify $^{15}/_{18}$
18. Double 39 950.
19. 2 ÷ 6 =
20. $50.00 – $24.75 =

MY SCORE

FRIDAY TEST WEEK 17

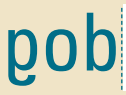
1. What is the time if you add 15 minutes to 7.47 am? ____
2. 10^5 = ____
3. \$20.00 – \$18.50 = ____
4. 50 x 7 = ____, 100 x 3.5 = ____
5. 0.29 = ____ %
6. This has a rotational symmetry in the order of ____

7. If it is 1 am, in 20 hours it will be ____.
8. If 9 + 9 = 3 x k, then k = ____.
9. $5\overline{)690}$ = ____
10. 
    ☐ *0˚* ☐ *180˚* ☐ *360˚* ☐ *90˚*
11. 1 > $^3/_{10}$ > 0.1 ☐ *true* ☐ *false*
12. If ↑ is north, then ↖ is? ____.
13. How many \$50 notes make up \$2250 ____
14. Write $7^3/_4$ as an improper fraction. ____
15. At the annual emu race, Eliza Emu beat Eddy Emu by 68 secs. Which time belongs to?

    A 4.28
    B 3.43
    C 3.20

    Eliza ____ Eddy ____
16. One century = ____ years
17. What is the difference between 35 and 9? ____
18. Rotate 450˚ clockwise.

19. Draw the reflection.



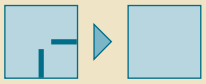
20. The chances of picking a king or queen from a pack of 52 playing cards is ____ out of ____.
21. Draw the lines of symmetry.

22. 0.08 = ____ %
23. 12 041 – 1000 = ____
24. Round 4.54 to the nearest tenth. ____
25. New price = \$ ____

MY SCORE

FRIDAY TEST WEEK 18

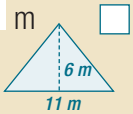
1. 21 ÷ 3 = ____
2. ____, 5, 50, 500
3. In 526 217, what is the place value of the 6? ____
4. Rotate 270˚ clockwise.



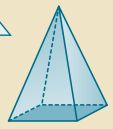
5. What are the chances of picking a red card from a deck of 52 playing cards? ____ out of ____
6. A book has 42 pages. How many times will 3 appear in the numbering? ____
7. One-fifth of $^3/_4$ of a million is? ____
8. A triangular prism has ____ vertices.
9. Write a number sentence: Your teacher gives out 2 pencils each to a class of 24. How many pencils? ____
10. Double 29 950. ____
11. 27 064 – 9 = ____
12. Halve 31 900. ____
13. If it is 4 pm, what time is it in 50 hours? ____
14. This shape is a ____.

15. A bike sped by at 101 km/h. What is the speeding fine?

    ☐ *5–10 km/h \$100*
    ☐ *11–20 km/h \$200* ☐ *21–30 km/h \$300*
16. Starting at 17 and counting up by 11s, what is the 7th number in the sequence? ____
17. 3 x 7 = ____
18. 49, 36, 25, ____, 9, 4, 1
19. Write in descending order.
    8.08, 0.88, 0.8, 8, 0.08, 8.80
    ____
20. Place these long jumpers in their correct position.
    ☐ *Eddy..... 7.01 m*
    ☐ *Freddy... 7.10 m*
    ☐ *Neddy.... 5.85 m*
    ☐ *Teddy .... 6.10 m*
21. 1.04 km = ____ m
22. Area = ____ m²



23. A square-based pyramid has ____ edges.



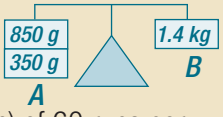
24. If you ride your bike 7 km in 20 minutes, how far will you ride in one hour? ____ km
25. Does **W** have one or two lines of symmetry? ____

MY SCORE

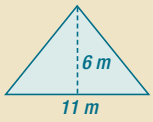
Trial booklet

FRIDAY TEST WEEK 19

1. 60 000 – 2500 = ____
2. $^1/_2 + {}^1/_4 = {}^{\_\_}/_4$
3. 6 x 8 = ____
4. $^5/_{100} = 0.\_\_ = \_\_\%$
5. In which century was the year 1279? ____
6. Is 215 divisible by 5? *yes* ☐ *no* ☐
7. Are **b** and **d** congruent? *yes* ☐ *no* ☐
8. Shade the lighter side.

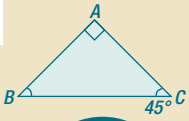


9. Taj has an average (mean) of 60 runs per innings after 3 cricket games. If he scores 120 runs on his 4th innings, what is the new mean? ____
10. Write as a number sentence: Your teacher gives 32 apples to 8 students. How many apples per student? ____
11. 0.4 < $^1/_2$ ☐ *true* ☐ *false*
12. Double 285. ____
13. 80 + 70 = ____
14. If 30 ÷ 5 = p x 1, then p = ____.
15. Halve a number, divide by 3, add 4 and the answer is 6. What is the starting number? ____
16. A map has a scale of 1 cm = 10 km.
    How far is 5.6 cm on the map? ____ km
17. In 7173, the 1st 7 is greater than the 2nd by:
    (a) ☐ *x10* (b) ☐ *x100* (c) ☐ *x1000*
18. $50.00 – $42.60 = ____
19. The area of the triangle is ____ m^2.



20. 350 + 250 = ____
    3500 + 2500 = ____
21. What type of triangle is this?

    ☐ *equilateral* ☐ *isosceles* ☐ *scalene*
22. Start at 99 and counting up by 8s.
    What is the fifth number? ____
23. What is the size of ∠B? ____



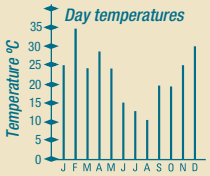
24. 19 + 15 = ____
25. 10 t = ____ kg

MY SCORE

FRIDAY TEST WEEK 20

1. Halve 81 900. ____
2. 0.6 < 0.08 ☐ *true* ☐ *false*
3. $4\overline{)180}$ = ____
4. $^3/_4 + {}^3/_4 = {}^{\_\_}/_4$
5. The chance of heads with a coin toss is: ____
   a) 0.4 b) 0.25 c) 0.5 d) 0
6. 1 ÷ 4 = ____
7. 2^3 = ____
8. $^4/_{10} = 0.\_\_ = \_\_\%$
9. Rotate 90° clockwise on its point.

10. What are the chances of picking a 3, 5, 7 or 9 from a pack of 52 playing cards?
    ____ out of ____
11. 12 x 6 = ____
12. To calculate 4 x 72:
    (a) ☐ *72 + 4 x 2*
    (b) ☐ *double 72, and double the answer*
    (c) ☐ *double 72 + 72*
13. 10^2 = ____
14. Is **N** symmetrical? *yes* ☐ *no* ☐
15. If it is 7 am, what will it be in 23 hours? ____
16. 2% = 0.____
17. 3, 6, 12, 24, ____
18. Alicia had an average of 4 goals. During her 3rd hockey game, she scored nil.
    What is her new average? ____
19. 15 000 kg = ____ t
20. Write $4^3/_6$ as an improper fraction. ____
21. Which month is the hottest? ____
22. Which month is the coldest? ____



23. What do the letters on the bottom represent? ____
24. If you rode your bike 9 km in 20 minutes, how far would you ride in one hour? ____ km
25. Draw an arrow to show 3800 r.p.m.

MY SCORE

WEEK 17

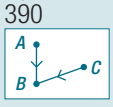
MONDAY

1. 18
2. 0.03
3. 3
4. 4.8
5. 7919
6. $^3/_4$
7. $^7/_{10}$
8. 500 000
9. 27
10. false
11. 72
12. 5
13. 
14. 890 000
15. 3%
16. $7.50
17. 58 mm
18. 64
19. $1.50
20. 600

TUESDAY

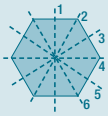
1. Wanna B Diva 64 sec.
2. 10 006
3. 36 km
4. $^5/_6$
5. 1 500 000
6. 9707
7. 4.80
8. 76 km
9. spz
10. 1 in 52
11. 25
12. 51
13. circle
14. 178
15. 25%
16. $850
17. even
18. $5^3/_8$
19. $38.25
20. 9019

WEDNESDAY

1. 9.07
2. 5
3. 0.1, 10%
4. 0.04
5. 1550
6. 6349
7. 3.6
8. $^3/_6 = {}^1/_2$
9. 390
10. 

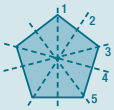
11. 34
12. 
13. 12th
14. 72
15. 84
16. 180°
17. 450
18. 3.42
19. true
20. 0.02, 0.2, 0.22, 2.02, 2.2, 2.22

THURSDAY

1. 18 000
2. 1000, 125
3. 14
4. 93 500
5. 15 375
6. 1 am (next day)
7. 7297
8. 810
9. 5
10. 1 (c), 2(e), 3 (d)
11. $1290
12. true
13. 1 250 000
14. 

15. $^1/_{10}$
16. 77
17. 55
18. 3 out of 52
19. 3.33, 3.13, 3.03, 3.00, 0.33, 0.3
20. 

FRIDAY

1. 8.02
2. 100 000
3. $1.50
4. 350, 350
5. 29%
6. 8
7. 9 pm
8. 6
9. 138
10. 180°
11. true
12. north-west
13. 45
14. $3^1/_4$
15. Eliza C Eddy A
16. 100
17. 26
18. 
19. dog
20. 8 out of 52 or 2 in 13
21. 

22. 8%
23. 11 041
24. 4.5
25. $3

WEEK 18

MONDAY

1. 9
2. 110
3. 8
4. 0.07, 0.7, 7, 7.07, 7.17, 7.7
5. $^2/_3$
6. 8.2
7. pentagonal prism
8. $^6/_4 = 1^2/_4 = 1^1/_2$
9. 10
10. $5^7/_{10}$
11. c) (0.5)
12. $20 – $6.40 = $13.60
13. 0.9
14. 10 000
15. 11 000
16. $^1/_4$
17. odometer
18. 300
19. 1.05 km
20. 7500

TUESDAY

1. 8
2. 10 x 10 x 10 = 1000
3. 10 003
4. 4492
5. 

6. 7.1
7. 180
8. rectangle
9. $^3/_6$
10. 
11. 4.5
12. 40
13. 4
14. 4 out of 52 or 1 out of 13
15. 25
16. $14.60
17. 39900
18. 17
19. 3
20. 8.88, 8.8, 8.18, 8.08, 8, 0.8, 0.08

WEDNESDAY

1. T = 1, E = 2, N = 3, F = 4
2. 20 950
3. $^3/_4$
4. 6.5
5. 35
6. 24
7. 24
8. 2896
9. 8
10. May
11. 40
12. 40 000
13. 
14. 0.1
15. 5.15 am
16. semicircles
17. 2 x 2 x 2 = 8
18. 5000
19. 1070 m
20. 9101

THURSDAY

1. A = 1, M = 2, R = 3, O = 4
2. 10 x 10 x 10 x 10 = 10 000
3. 

4. $^{8-3}/_{10} = {}^5/_{10} = {}^1/_2$
5. 3.9
6. 10 000
7. 2.34
8. 320
9. 30
10. sphere
11. 24 km
12. 11 111
13. 21
14. $140
15. 1
16. 990
17. 118
18. $18.60
19. 10 500
20. 96

FRIDAY

1. 7
2. 0.5
3. 1000
4. 
5. 26 out of 52 or 1 in 2 or even
6. 13
7. 150 000
8. 6
9. 2 x 24 = 48
10. 59 900
11. 27 055
12. 15 950
13. 6 pm
14. semicircle
15. $300
16. 83
17. 21
18. 16
19. 8.80, 8.08, 8, 0.88, 0.8, 0.08
20. F = 1, E = 2, T = 3, N = 4
21. 1040 m
22. 33
23. 8
24. 21
25. 1

WEEK 19

MONDAY

1. 10.50
2. 4004
3. 135°
4. 170
5. 0.5
6. b) (0.25)
7. 50
8. 10.0
9. 35
10. 6101
11. 39 111
12. 40
13. 7, 4, 0, –3, –8
14. 7
15. (b)
16. (a)
17. no
18. 2 am
19. yes
20. false

TUESDAY

1. 6000
2. 22 m^2
3. 500, 5000
4. (c)
5. 14th
6. $7^3/_5$
7. (b)
8. $^4/_5$
9. 10 L
10. neq
11. 90°
12. 10
13. 180
14. kilometres
15. $^1/_4 = 0.25$
16. 6 x 4 = 24
17. 19 900
18. 49
19. $4^6/_7$
20. 36

WEDNESDAY

1. 7640
2. 4768
3. 5
4. 280
5. A
6. 20
7. 10.4
8. 30°
9. 30
10. parallel
11. 64

12. hemisphere
13. 113
14. 0.1
15. Eliza B Esther C
16. 8 out of 52 or 2 out of 13
17. 42 km
18. b
19. $6.40
20. 10 000 kg

THURSDAY

1. 77 500
2. 30
3. 1
4. 3 pm
5. 9973
6. 10.6
7. $^3/_4$
8. 48
9. –4, –3, –2, 0, 1, 5, 6
10. 
11. D
12. 550
13. $^1/_5$
14. A and D
15. 0.3, 0.33, 3.03, 3.13, 3.3, 3.33
16. 153
17. rhombus
18. $10 – $8.40 = $1.60
19. $^1/_3$
20. 45°

FRIDAY

1. 57 500
2. $^3/_4$
3. 48
4. 0.05, 5%
5. 13th
6. yes
7. yes
8. (a)
9. 75
10. 32 ÷ 8 = 4
11. true
12. 570
13. 150
14. 6
15. 12
16. 56 km
17. (b)
18. $7.40
19. 33 m^2
20. 600, 6000
21. isosceles
22. 131
23. 45°
24. 34
25. 10 000

WEEK 20

MONDAY

1. 4.55
2. 150
3. 10 002
4. 8869
5. 66
6. 20.0
7. 225
8. 0.01
9. 20 m^2
10. 600, 6000
11. 110 011
12. 
13. 
14. $7^1/_5$
15. 30
16. 64
17. 
18. (b)
19. 3000
20. $^5/_6$

TUESDAY

1. 5,4
2. 58
3. 2965
4. 30
5. $4^1/_4$
6. 16
7. 1040 m
8. 2
9. $^1/_4$
10. sphere
11. 12 t
12. c 5184
13. 8
14. 26 in 52 or 1 in 2
15. 1 am
16. money order
17. 1500
18. $9^4/_9$
19. 81
20. $^1/_4$

WEDNESDAY

1. 35 950
2. 1500
3. 4199
4. 10 004
5. $^4/_3$ or $1^1/_3$
6. 10
7. 19.00
8. 32 m^2
9. 855
10. August
11. February
12. May, June, July, August, October
13. 3500
14. 60° at A, B and C.
15. 124
16. square pyramid
17. (e)
18. $^2/_4 = {}^1/_2 = 0.5$
19. $31.25
20. a

THURSDAY

1.

	M	T	W	T
Sales	14	13	6	43

2. 10 x 10 x 10 x 10 x 10 = 100 000
3. 30
4. 10 004
5. 7993
6. (c)
7. 96
8. 144
9. 48
10. A and C 
11. $99
12. 100
13. 92811
14. 
15. 2 pm
16. no
17. $^5/_6$
18. 79 900
19. $^2/_6 = {}^1/_3$
20. $25.25

FRIDAY

1. 40 950
2. false
3. 45
4. $1^2/_4$
5. c) (0.5)
6. $^1/_4$
7. 8
8. 0.4, 40%
9. 
10. 16 out of 52 or 4 out of 13
11. 72
12. (b)
13. 100
14. no
15. 6 am
16. 0.02
17. 48
18. 3
19. 15 t
20. $^{27}/_6$
21. February
22. August
23. months of year
24. 27
25. 

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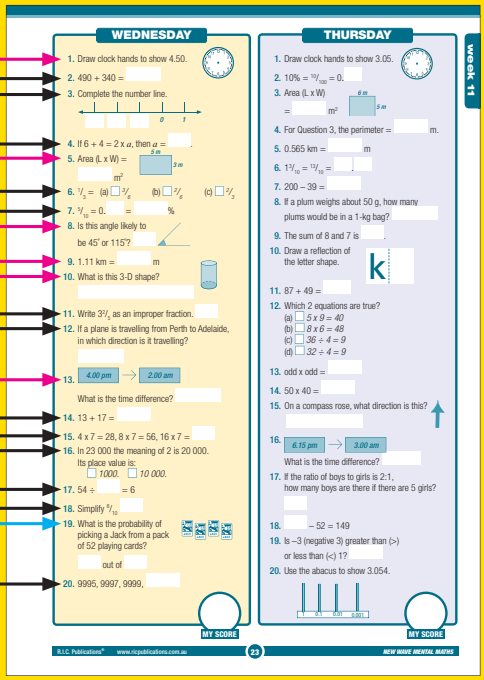

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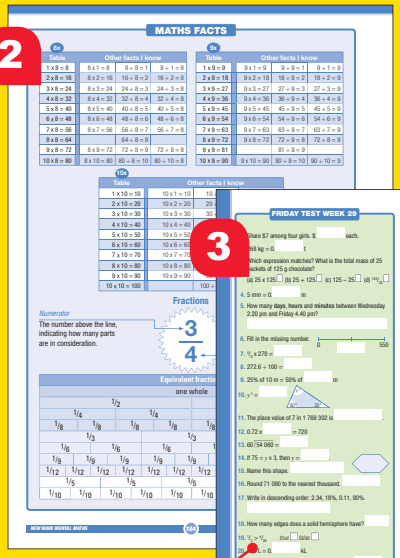

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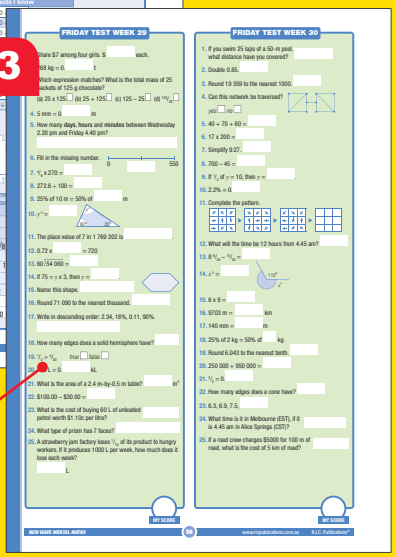

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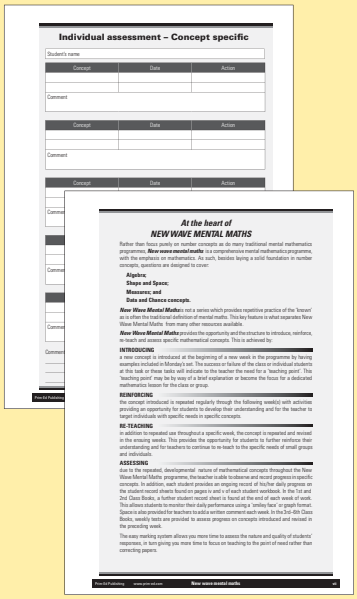

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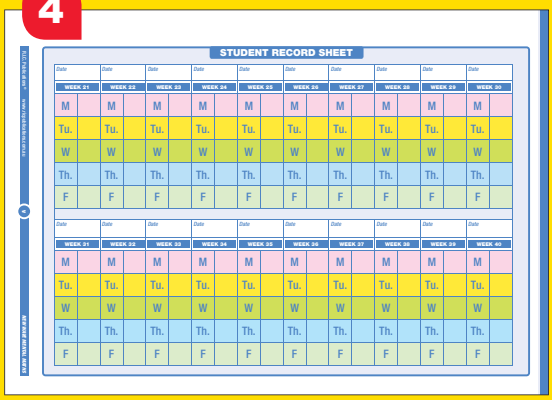

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