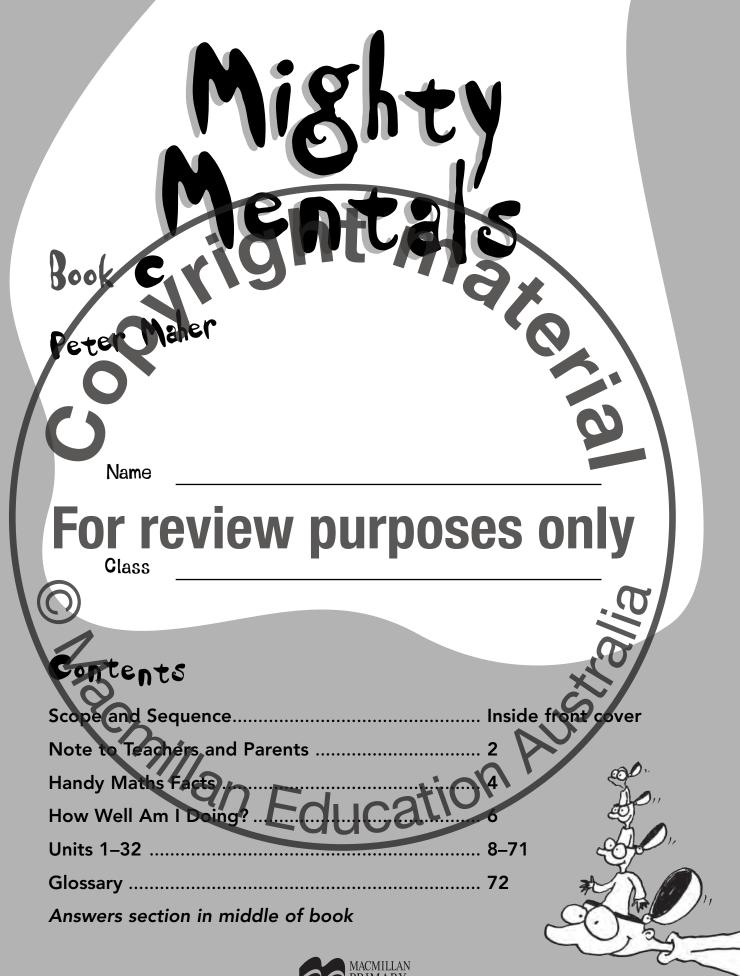


	Scop	be and sequence	
	Unit	Topic	Page
Number	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 7 8 19 20 21	Addition: Adding 1–20 to multiples of 10 Addition: Adding 2-digit numbers Subtraction: Subtracting 1-20 from multiples of 10 Subtraction: Subtracting 2-digit numbers Multiplication: The 1 times to 6 times tables Multiplication: The 7 times to 12 unes tables Multiplication: Multiples of 10 Division: Divisors of 1 to 6 Division: Divisors of 7 to 12 Division: Dividing multiples of 10 Multiplication: Multiples and common multiples Division: Factors Doubling Halving Place value to 1 million Rounding off to 10 000 Factors: Factor and simplest form Decimals and their fraction equivalences Decimals: Addition and subtraction Sequences	8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48
1	22	Number strings	50
Measurement	23 24 25 26 27 28 29	Length and perimeter: Conversions and missing sides Area: Concept and application Mass: Units and conversions Capacity/volume: Units and conversions Time: Digital and analogue conversions Time: Unit equivalences Money: Making amounts, addition and subtraction	52 54 56 58 60 62 64
Space	30	2D and 3D: Properties and directions	66
Chance and data	31	Chance: Concepts of likelihood	68
Revision	32	Revision: All sorts	70





Note to teachers and parents

Developing mental arithmetic skills

Automatic response—the ability to quickly recall basic mathematical facts, or to apply a known fact to a slightly modified situation or application—is an essential prerequisite for success in mathematics.

The development of modern technology and its applicability to the classroom in the form of the hand-held calculator has not diminished the significance of the role that mental arithmetic should play in schools. On the contrary, the advent of modern technology has increased the need for accurate mental arithmetic skill development in students. Without relatively accurate estimation prior to calculation, merely accepting at face value a solution on a screen can be fraught with danger. Inadvertently hitting he wrong buttons on a calculator is a commonly occurring fact of life. The result on the screen should never be blindly accepted. When w consider the fact that the great majority of calculations secondary school students complete are done on the calculator, the validity of this point can be readily perceived.

By the enclof primary school, a student should be in the habit of estimating and rounding off prior to using a calculator for computational purposes.

Appropriate estimation is reliant upon a sound knowledge of basic number facts, which should have been developed consistently throughout the primary years.

The better a student's abilities with menta arithmetic, the less time he or she will have to devote to looking up answers on a screen, in a book or on a chart. This point is demonstrated graphically with the game of 'beat the calculator'. Line up your students in pairs and tell them that some maths questions are going to be asked of the students who progressively come to the head of the line. Offer a calculator

to one of the two students. Both will want it but only allow one to prevail. The other student will complain about how unfair the game is until the rules are made clear. The student with the <u>calculator</u> must press the appropriate buttons and display the correct answer. Ask the pairs of students questions they should be able to recall relatively quickly, such as 2 x 5 or 7 + 4. Now watch the student with the calculator complain that the game is unfair because the calculator is an encumbrance. Slip in the question 9 x 35 to see who is first with the correct answer. If the student using mental arithmetic is highly competent, 350 - 35 = 315 (10 lots of 35 minus one lot of 35) might still beat the calculator's $9 \times 35 = 315$.

It is also the case that the faster a student is with his or her basic number facts, the greater is the likelihood of structural computational success. Algorithms, such as long multiplication

and division, contain numerous steps and stages. Students with inadequate mental arithmetic skills often take so long to recall a basic number fact that they forget the stage of the algorithm that they are progressing through. For these students the necessary foundation of times tables knowledge is inadequate—it is like trying to build on a foundation of sand. Without the necessary prerequisites of number facts competence, the algorithmic 'house will tumble down.

It is invariably the case that the broader a studen's body of mathematical knowledge, the more he or she will achieve in the subject and the more enjoyment that student will derive from the discipline. The message is clear: regularly practise automatic response games and activities, chants and rounds and all will benefit. Try to teach these number facts in as fun and meaningful a way as possible. Incorporate concrete materials and incentives into your number facts lessons. Above all, teach for understanding. When teaching the 3 times table, show that the digits in the multiples will always sum to 3, 6 or 9. Show that the answers to the 9 times table always sum to 9. Show that adding on 8 is no harder than adding on 10—just jump back 2. Explain that the metric prefix 'kilo' stands for the number 1000, therefore there have to be 1000 grams in a kilogram and 1000 metres in a kilometre and, heaven forbid, 1000 tons of TNT in a kiloton bomb.

The patterns that make number-facts-recall easy are out there and easy enough to find. Make the effort to demonstrate them at every possible opportunity. This book and the other books in this series will show you how.

How to use this book

The challenge of acquiring appropriate automatic response capabilities demands a structured and planned approach in schools. Mental anthmetic skills should be developed in a systematic manner over a period of years. The program should encompass the full range of the mathematics curriculum, covering measurement and space facts, data and chance questions as well as number problems.

The founbooks in this series assist with the development of mental arithmetic skills in a systematic and logical manner. Each book in the series contains 32 units of work. Each unit contains six sets of questions, which can represent one set per school day with one left over for homework. Alternatively, one day per week could be devoted to the completion of the six sets.

Each exercise in the book focuses on a specific concept, such as multiplying by multiples of 10, or the properties of 2D and 3D shapes. The exercises have been set out in a logical sequence according to topic, for example times tables should be taught prior to the concept of a common multiple; the concept of one-tenth should be taught prior to the first decimal place. However, the order in which the exercises are completed can be varied to suit the needs of your students. The exercises are at their most useful when linked to the topic under review in the classroom at the time.

The **Scope and sequence** chart on the inside front cover of this book will assist you to plan for the use of this book and to make it as relevant as possible to your students' individual learning capabilities.

At the top of each unit of work there is a **tip** for the students, to help them work through the exercises in that unit. At the bottom of each unit, you will find the relevant state **outcomes**.

The **Handy maths facts** on pages 4–5 are included as useful reference material for students.

the students the opportunity to record their scores on the unit exercises and to rate their own progress and performance.

How well and doing? or pages 6-7 affords

A list of **answers** is found in the middle of each book and can be removed and stored if deemed appropriate.

The terms used in this book

The questions presented in this book utilise a wide variety of mathematical terms that are designed to reflect the structure of the discipline and to develop a student's mathematical vocabulary. Knowing, for example, that the terms add, 'sum', 'total' and 'altogether' all refer to the

process of addition will have obvious benefits when a student has to tackle an addition problem set in context, or when problem solving.

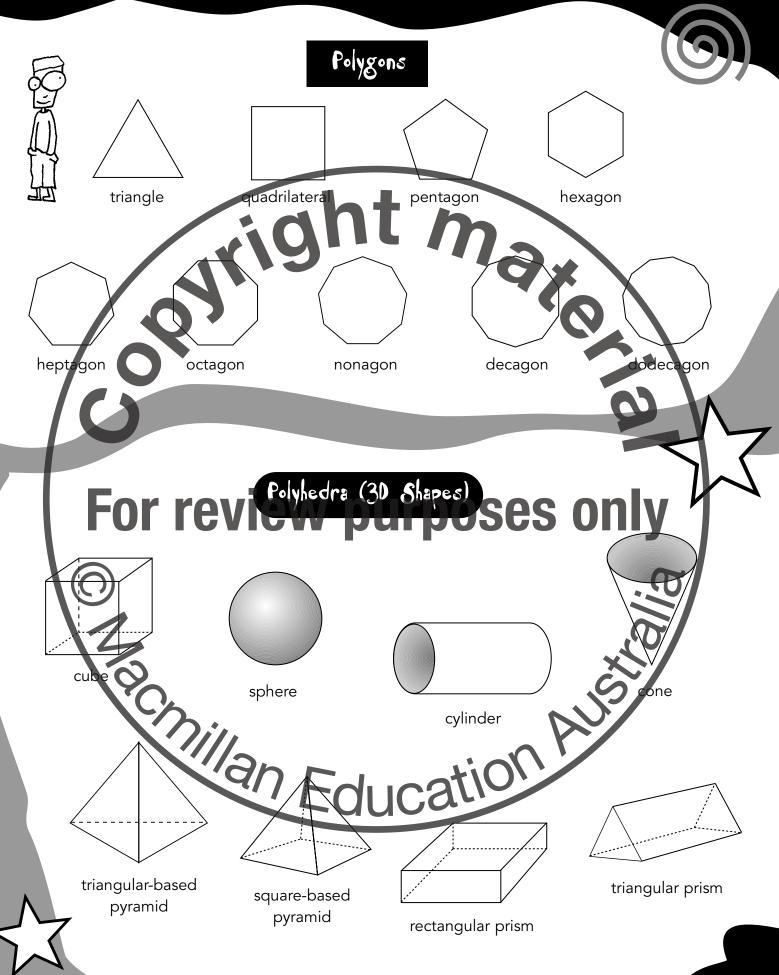
A **Glossary** is provided on page 72 as a ready reference.



Handy X Maths Facts X		0	1	2	3	4	5	6	7	8	9	10	11	12
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mode	1	0	1	2	3	4	5	6	7	8	9	10	11	12
Matio	2	0	2	4	6	8	10	12	14	16	18	20	22	24
	3	0	3	6	9	12	15 20	18 24	21 28	24 32	27 36	30	33	36
asts ^	4	0	4	8 10	12 15	16 20	20 25	24 30	20 35	32 40	30 45	40 50	44 55	48 60
or			6	10	13	24	30	30	42	40	43 54	60	55 66	72
	0 7		7	12	21	28	30	42	42	56	63	70	77	84
	8	0	8	16	24	32	40	48		64	72	80	88	96
	9	0	9	18	24	36	45	54	63	72	81	90	99	108
FACTS	10	0	10	20	30	40	50	60	70	80	90		110	
p mers	11	0	11	22	33	44	55	66	77	88		110		
	12	0	12	24	36	48	60	72	84			120		
(O)													Ì	
				Te	ste	s fe	or (Jivi,	sibil	ity				
Metric prefixes	1	x	All	who										
millimeans one thousandth (1/1000)	2	x						C		h				
centi means one-hundredth (1/100)			Eve									y		
kilo means 1000	4			ivide										
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	7 >			n mu										
			Dou this	and	the t	tens.	nd f It w	ind t ill ec	the c qual (differ 0 Z	ence	e bet 4	wee	٦
Metric equivalences	8 x	ζ.	8 div	vides	s into	o last	: 3 d	igits	1-1-011	Ċ				
1 metre (m) = 1000 mm = 100 cm	9 x		Digi							1				
1 kilometre (km) = 1000 m	10 11	X	Num	bers	enc	ling	in 0		\geq					
1 kilogram (kg) = 1000 g	12	x : x I	Subt	ract	units	fror	n tot	al te	ins to	o ge	t 0 o	r 11		
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1 litre (L) = 1000 mL														
Place		que	Sh	er t										
Thousands Period						<u> </u>	ner	Por	hoir					1

Th	ousands Peric	od		Ones Period	
hundreds	tens	units	hundreds	tens	units
4	9	3	8	1	5

Four hundred and ninety three thousand, eight hundred and fifteen



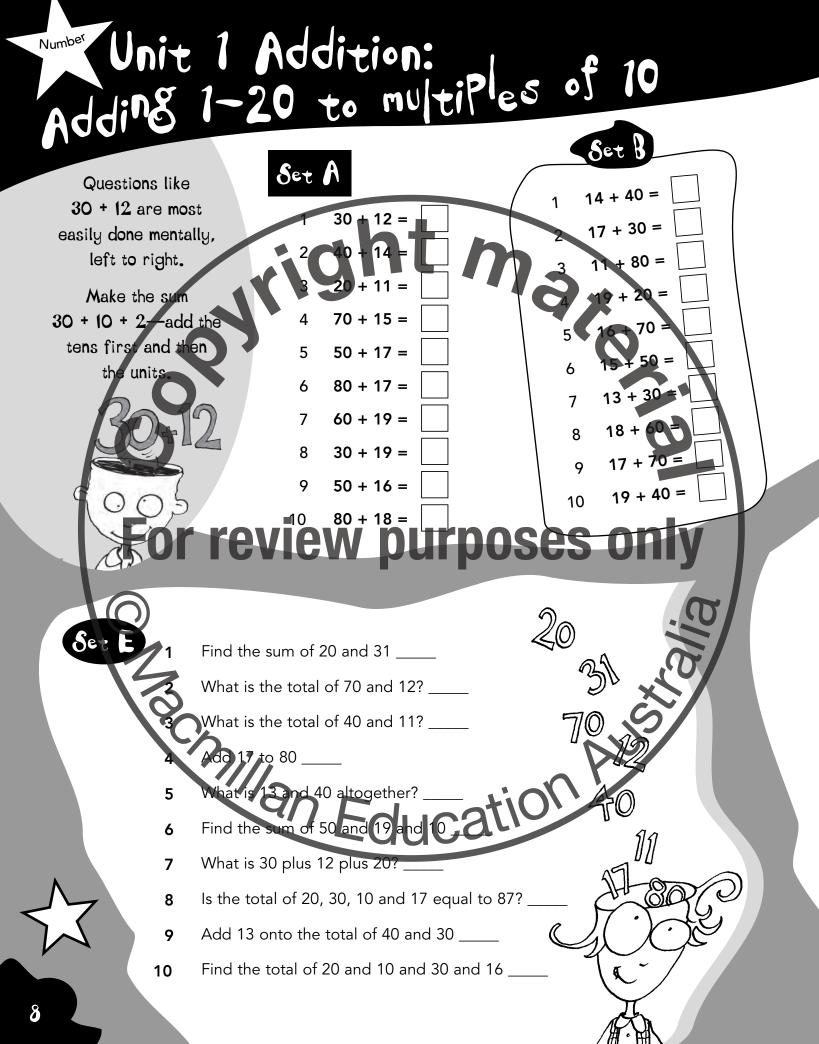
How well an I doing?

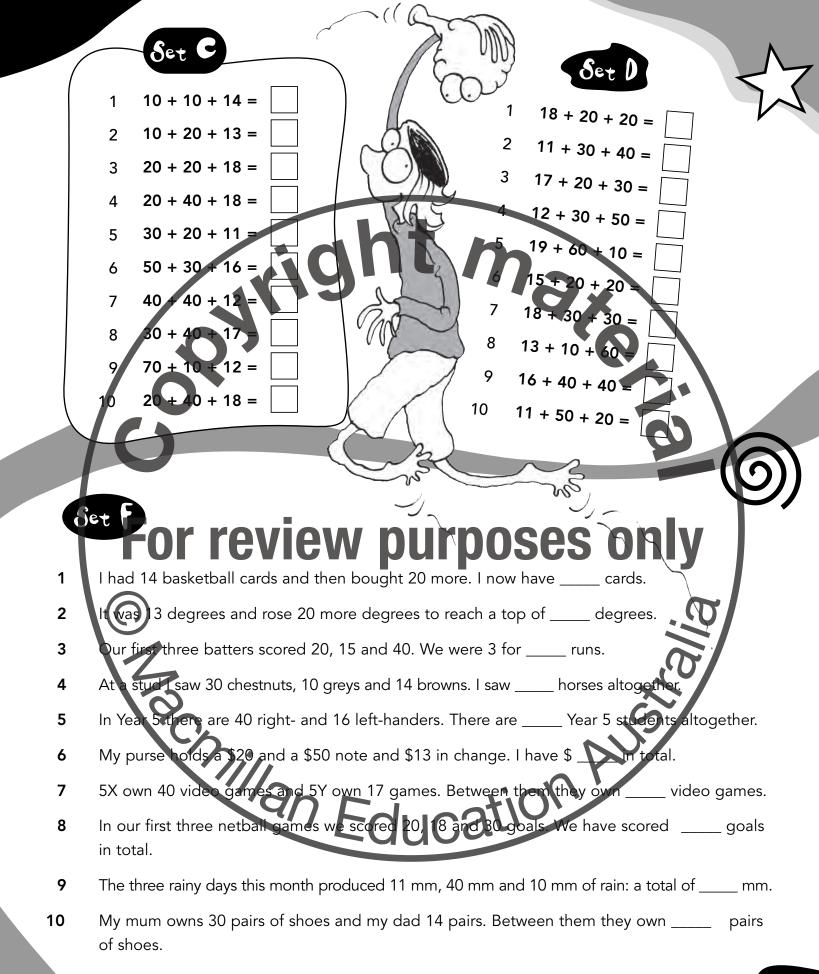
After you complete each set of work, fill in your score out of 10. At the end of the six sets, rate yourself in the following way:

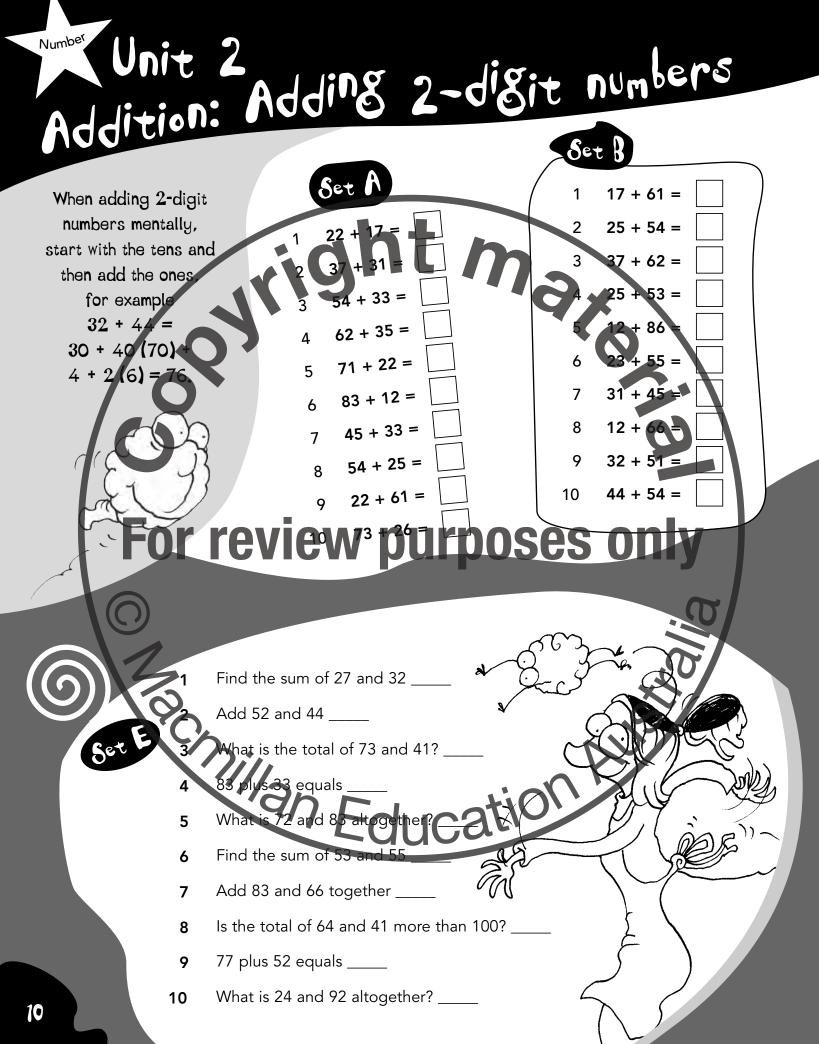
I = Can improve; E = Encouraging effort; S = Strong performer; H = Hero!

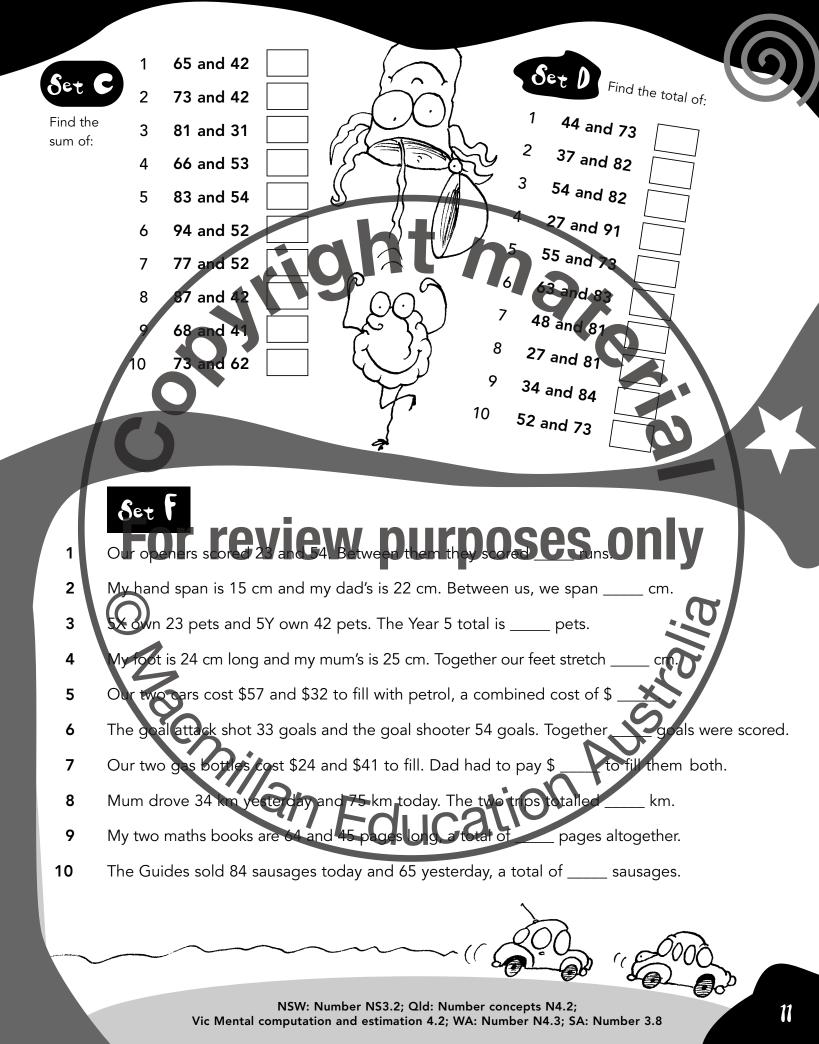
							1	-
Unit	Торіс	Set A	Set B	Set C	Set D	Set E	Set F	My Rating
1	Addition: Adding 1-20 to multiples of 10				0			
2	Addition: Adding 2-digit numbers					0		
3	Subtraction: Subtracting 1–20 from multiples of 10							
4	Subtraction: Subtracting 2-digit numbers							
5	Multiplication: The 1 times							
6	Multiplication: The 7 times to 12 times tables	;W	pul	ho	se	50	Шy	
7	Multiplication: Multiples of 10						.0	7
8	Division: Divisors of 1 to 6						Ś	
9	Division: Divisors of 7 to 12						57	
10	Division: Dividing multiples of 10					で		
11	Multiplication: Multiples and common multiples	F		at	0			
12	Division: Factors							
13	Doubling							
14	Halving							

Unit	Торіс	Set A	Set B	Set C	Set D	Set E	Set F	My Rating
15	Place value to 1 million							
16	Rounding off to 10 000							
17	Fractions: Fraction of an amount							
18	Fractions: Equivalence and simplest form	D I	IL	η	12			
19	Decimals and their fraction equivalences				4			
20	Decimals: Addition and subtraction							
21	Sequences						0	
22	Number strings							
23	Length and perimeter: Conversions and missing sides	\	nııı	n	Sec	s n	nlv	
24	Area: Concept and application			PU				
25	Mass: Units and conversions						.!. C!!	27
26	Capacity/volume: Units and conversions						Co Co	
27	Time: Digital and analogue conversions						0/	
28	Time: Unit equivalences							
29	Money: Making amounts, addition and subtraction	E	duc	cat	0			
30	2D and 3D: Properties and directions							
31	Chance: Concepts of likelihood							
32	Revision: All sorts							

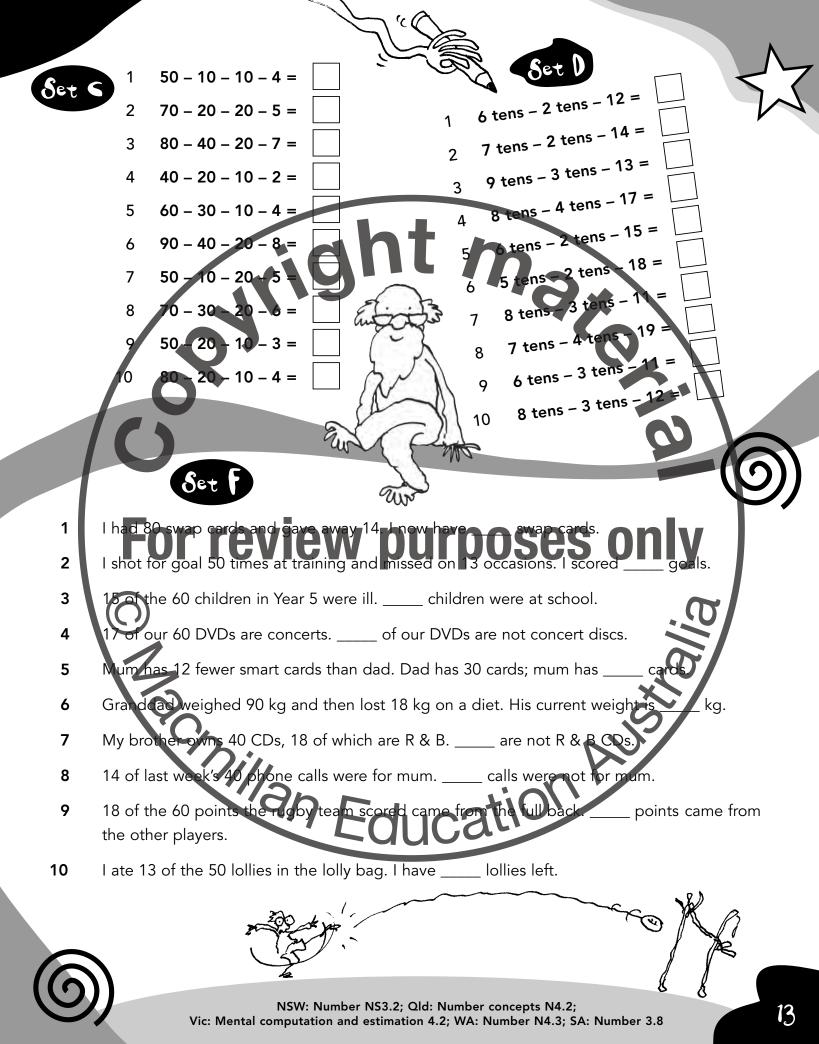


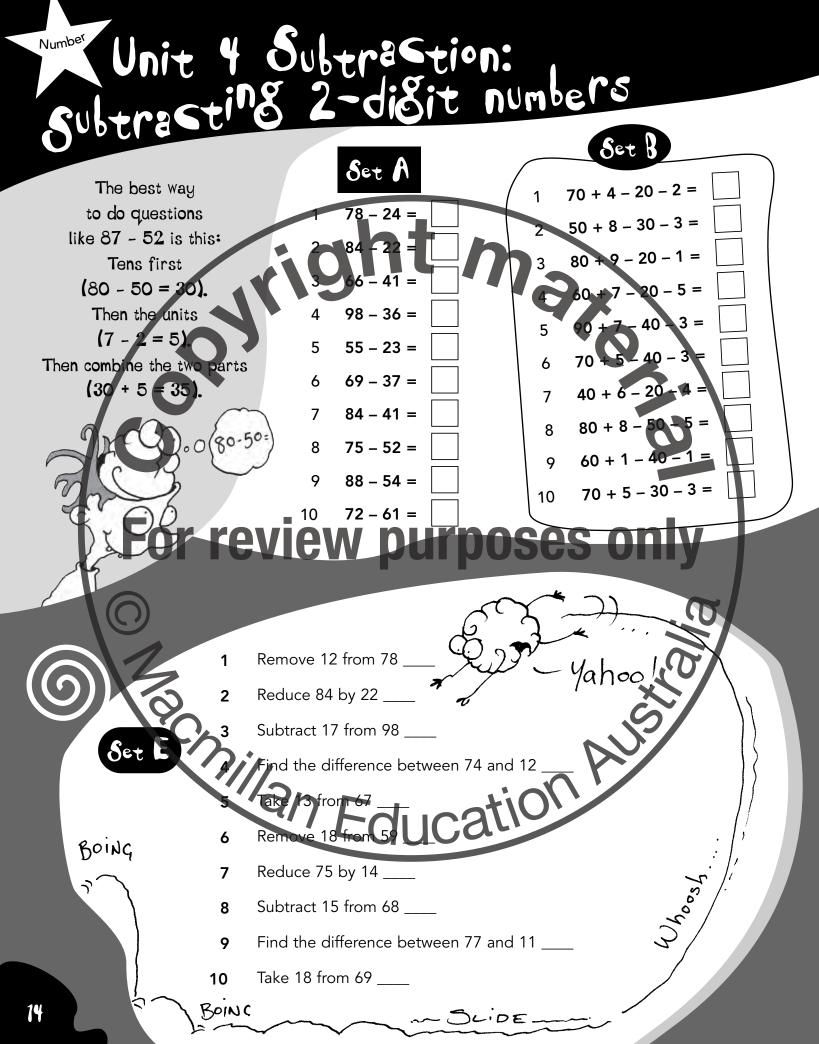


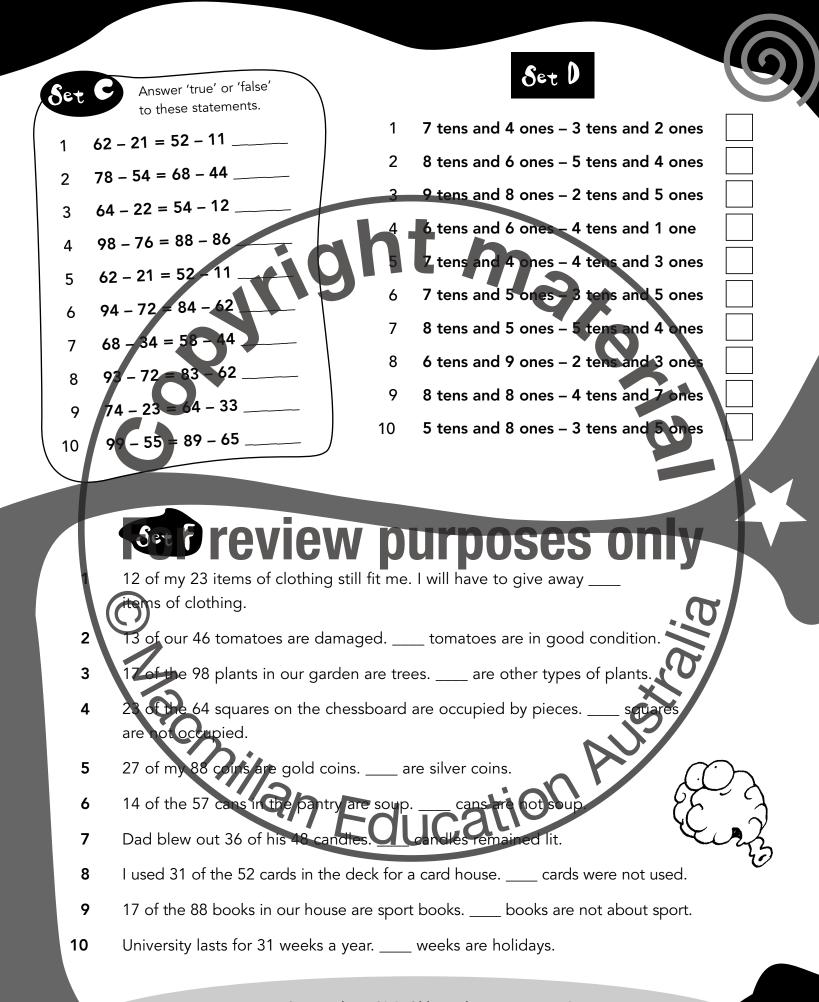




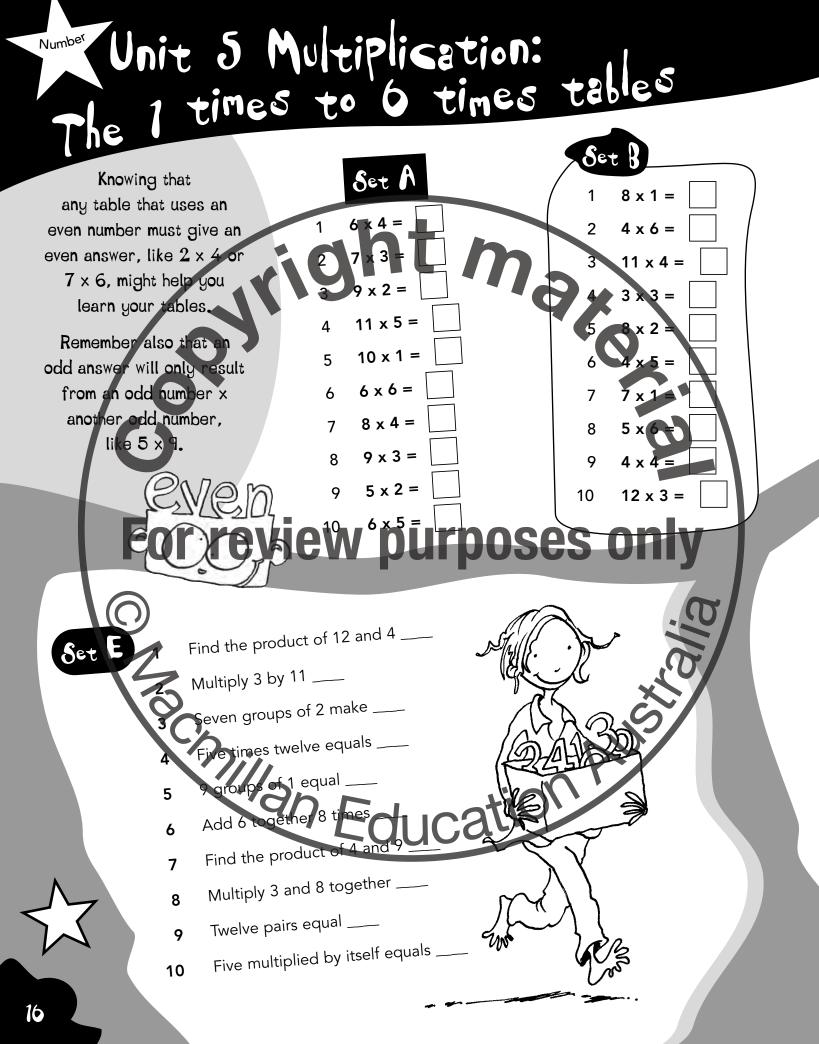
Number Unit	3 Subtraction ing 1-20 from	nultiples of 10
For questions such as 40 - 18, take tens away first (30) then take away the u (30 - 8 = 22).	Set A a the $1 40 - 14 =$ and $2 50 - 11 =$	1 3 tens - 1 ten and 6 2 7 tens - 4 tens and 4 3 9 tens - 3 tens and 8 4 8 tens - 5 tens and 2 5 4 tens - 2 tens and 8 6 5 tens - 3 tens and 7 7 6 tens - 2 tens and 9 8 8 tens - 3 tens and 6
For E	8 $40 - 12 =$ 9 $60 - 11 =$ 10 $90 - 16 =$ FEVIEW PURPO What is the difference between 50 and	 9 7 tens - 2 tens and 8 10 9 tens - 3 tens and 7 OSES ONLY
2 3 5 6 7 8	Take 17 from 70 90 minus 16 = Is the difference between 60 and 14 equ Are 50 = 11 and 70 _ 31 equal difference Take 15 from 60 Are 80 – 17 and 70 – 27 equal difference Remove 12 from 90	er OL
9 10	Remove 18 from 50 Reduce 70 by 13	

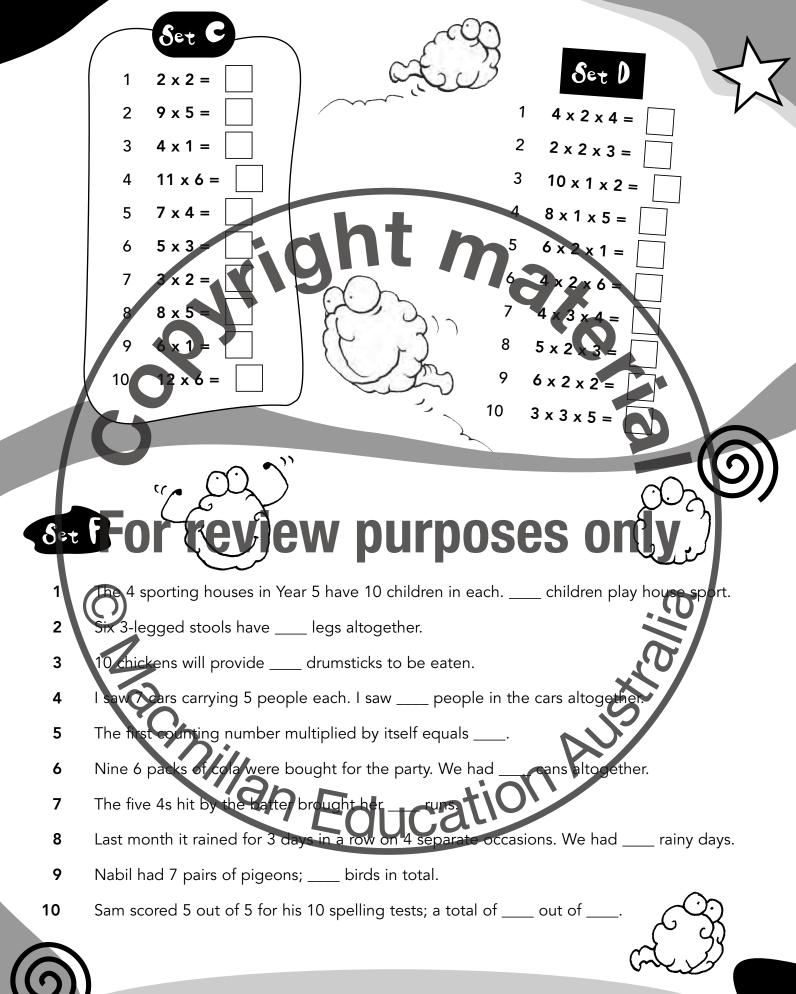




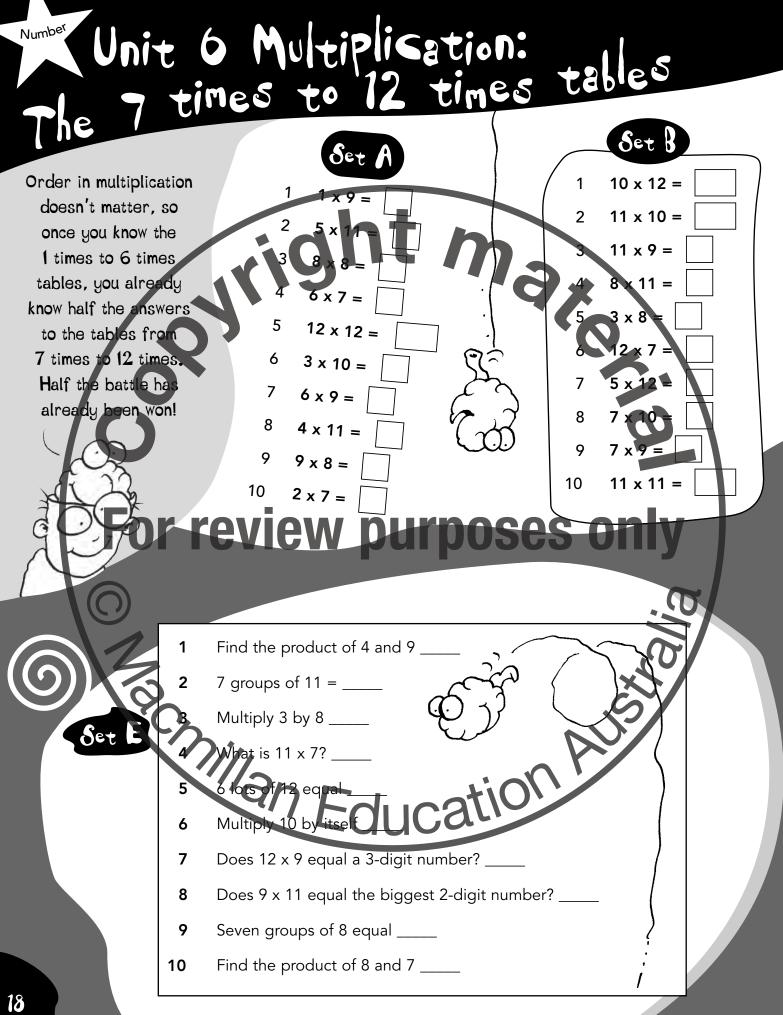


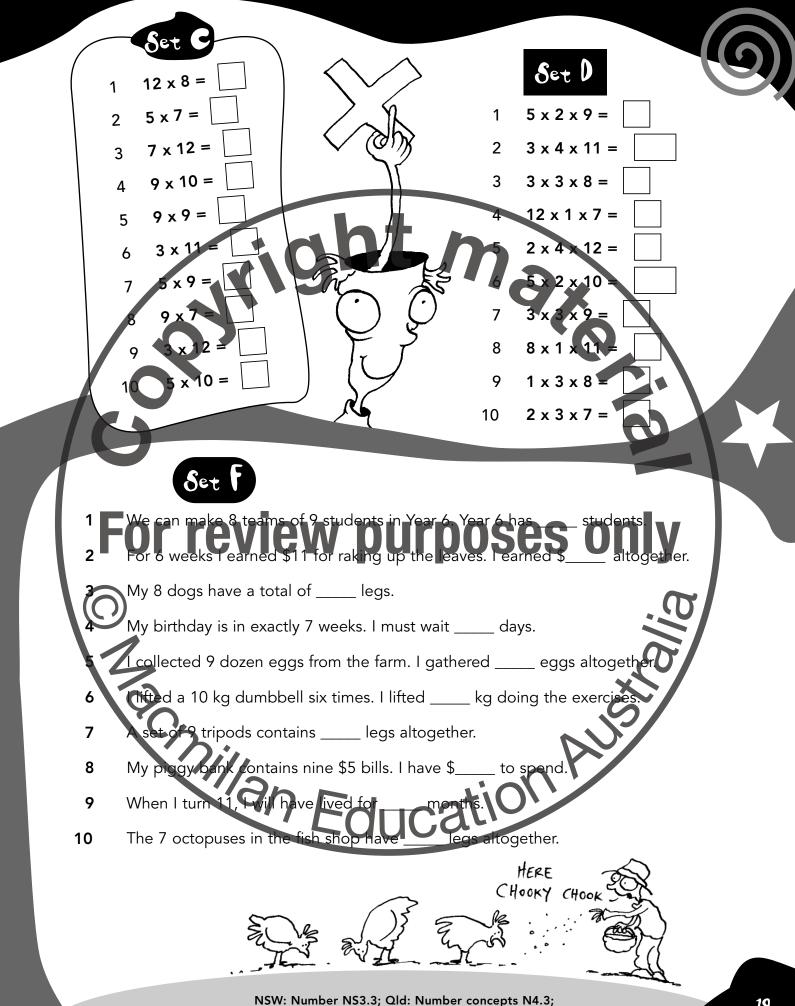
NSW: Number NS3.2; Qld: Number concepts N4.2; Vic: Mental computation and estimation 4.2; WA: Number N4.3; SA: Number 3.8



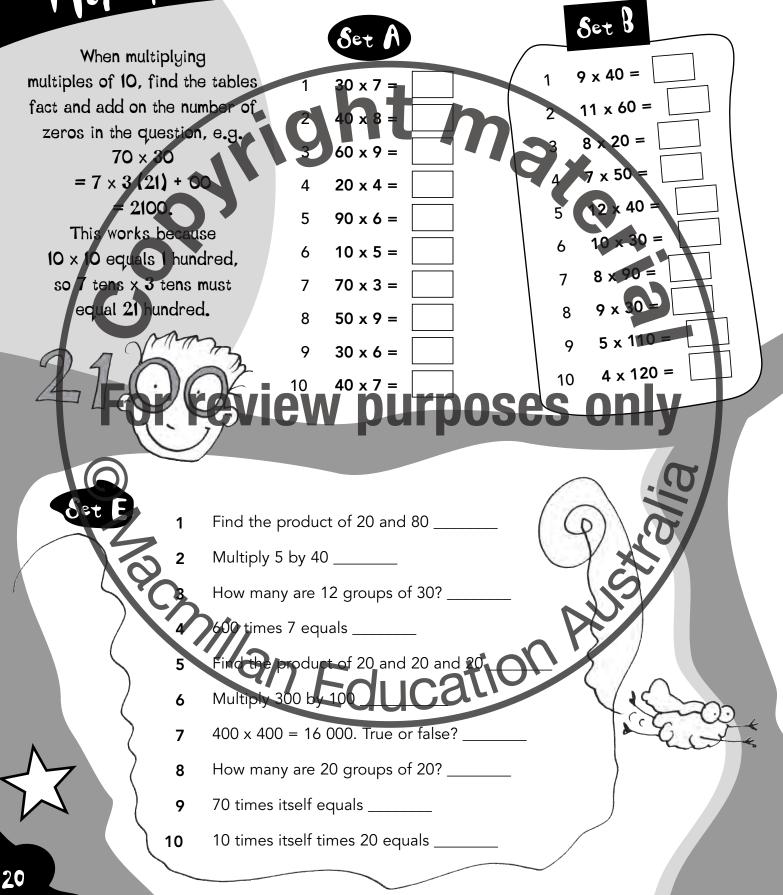


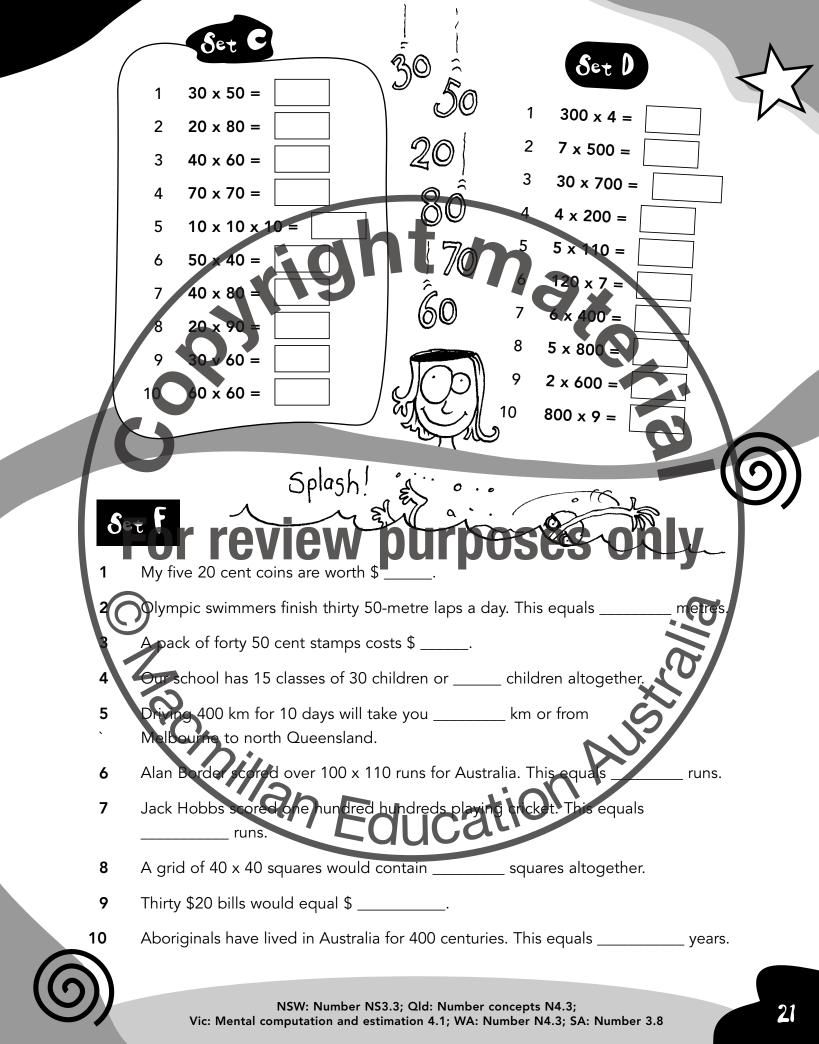
NSW: Number NS3.3; Qld: Number concepts N4.2; Vic: Mental computation and estimation 4.1; WA: Number N4.3; SA: Number 3.8





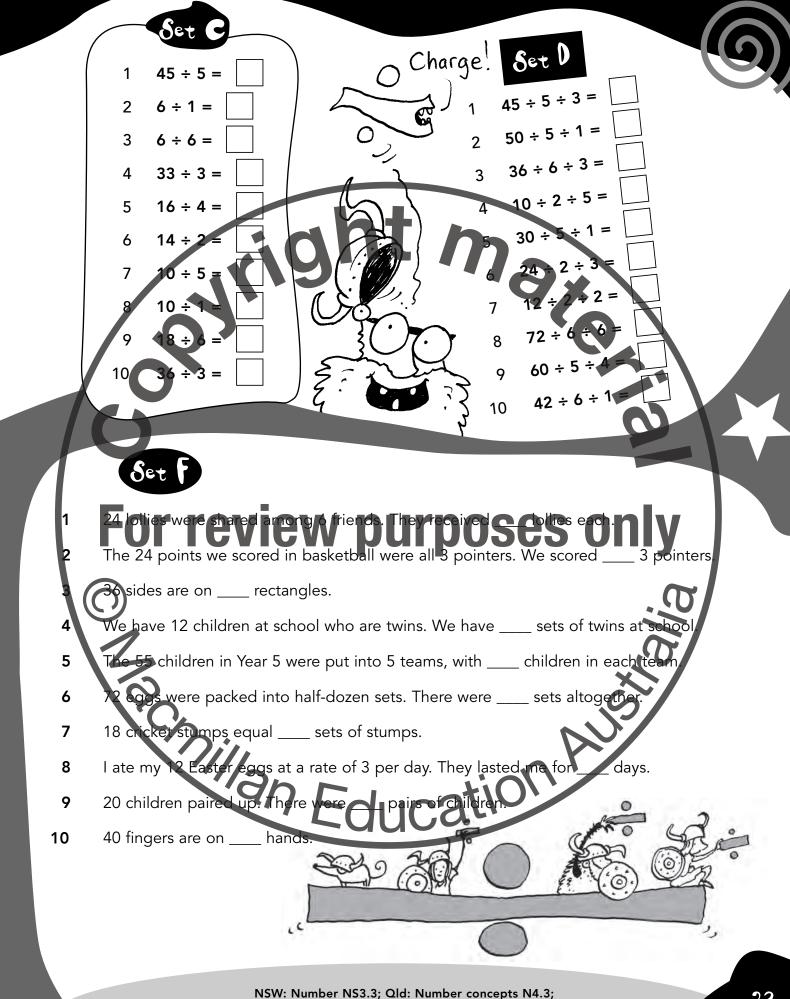
NSW: Number NS3.3; Qld: Number concepts N4.3; Vic: Mental computation and estimation 4.1; WA: Number N4.3; SA: Number 3.8 Number Unit 7 Multiplisation: Multiples of 10





Number Unit 8 Division: Divisors of 1 to 6

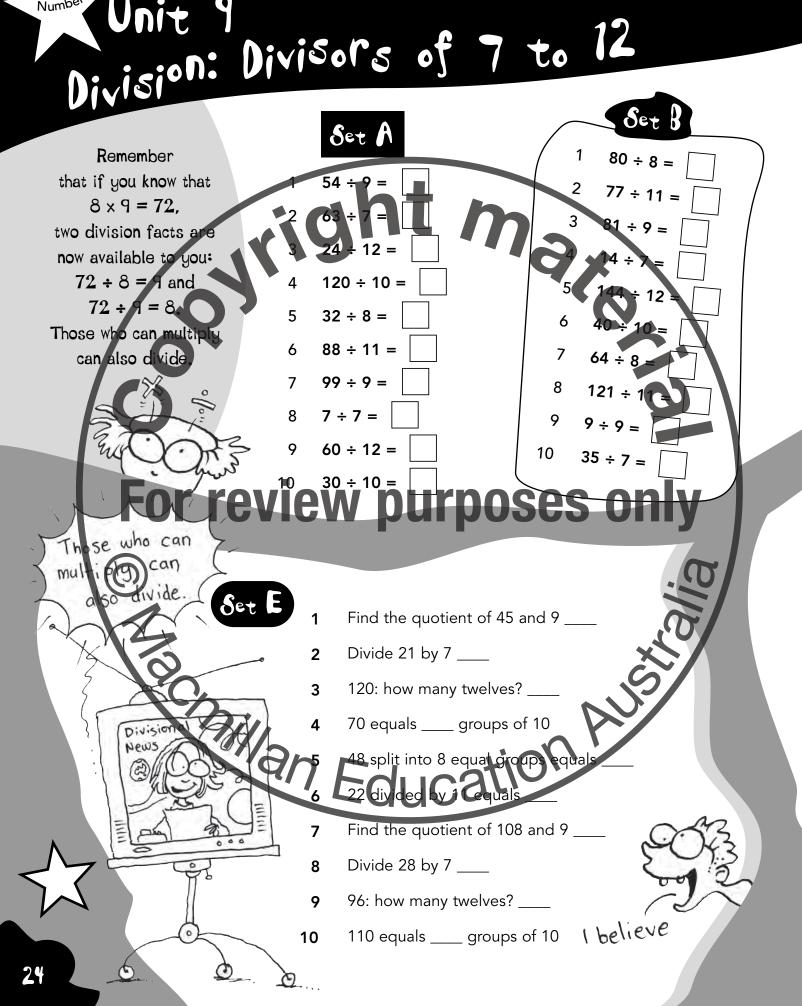
Set B Set Knowing your tables 36 ÷ 6 = 1 1 will enable you to divide 3 ÷ 1 = 2 as well. If you know that $5 \times 6 = 30$, you will 32 ÷ 4 = also know that 7÷1= 2 = 30 ÷ 6 # 12 ÷ 6 = 5 35 and that $30 \div 5 = 6$. 30 ÷ 3 = 6 Divide and conquer 7 12 ÷ 4 = 10 =7 8 24 ÷ 2 = 8 9 25 ÷ 5 = 9 48 ÷ 4 9÷1= 10 10 ÷ 2 = 10 9 ev What is the quotient of 20 and 4? _____ How many 2s go into 18? _____ Divide 30 by 5 ____ Set Divide 1 by itself _ Split 48 into 6 equal piece: 5 12: how many 3s? 6 Find the quotient of 28 and 4 _____ 7 Divide 4 by 2 _____ 8 5 goes into 50 ____ times 9 42 split into 6 equal groups equals _ 10

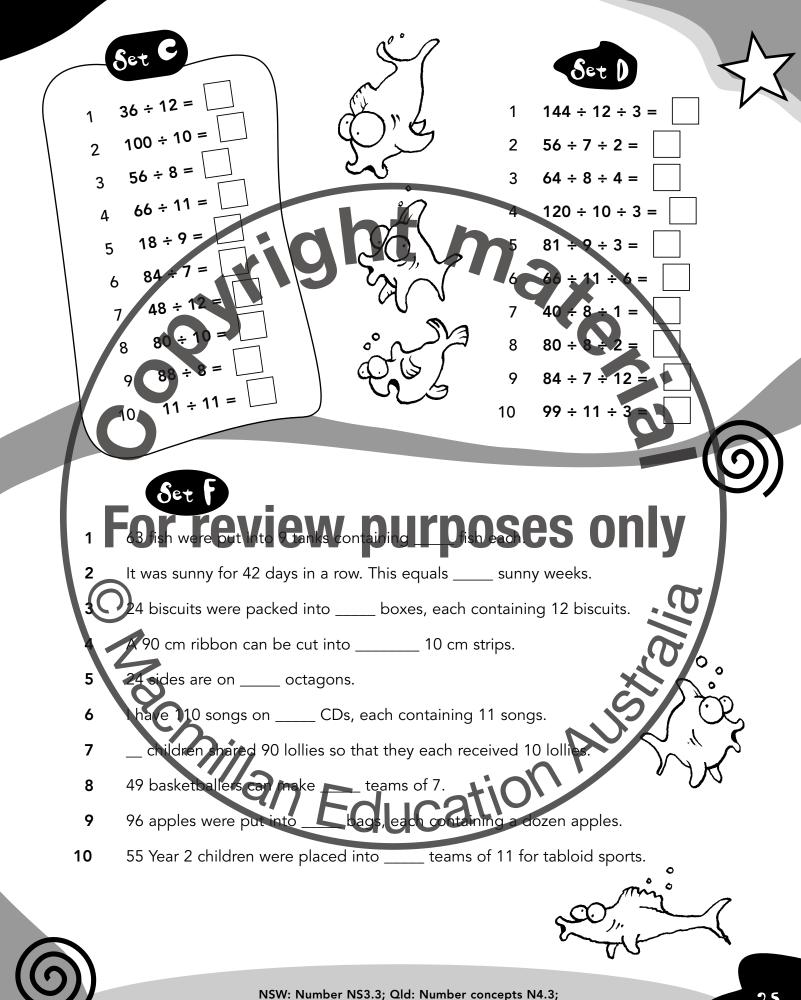


Vic: Mental computation and estimation 4.2; WA: Number N4.3; SA: Number 3.8

Unit 9

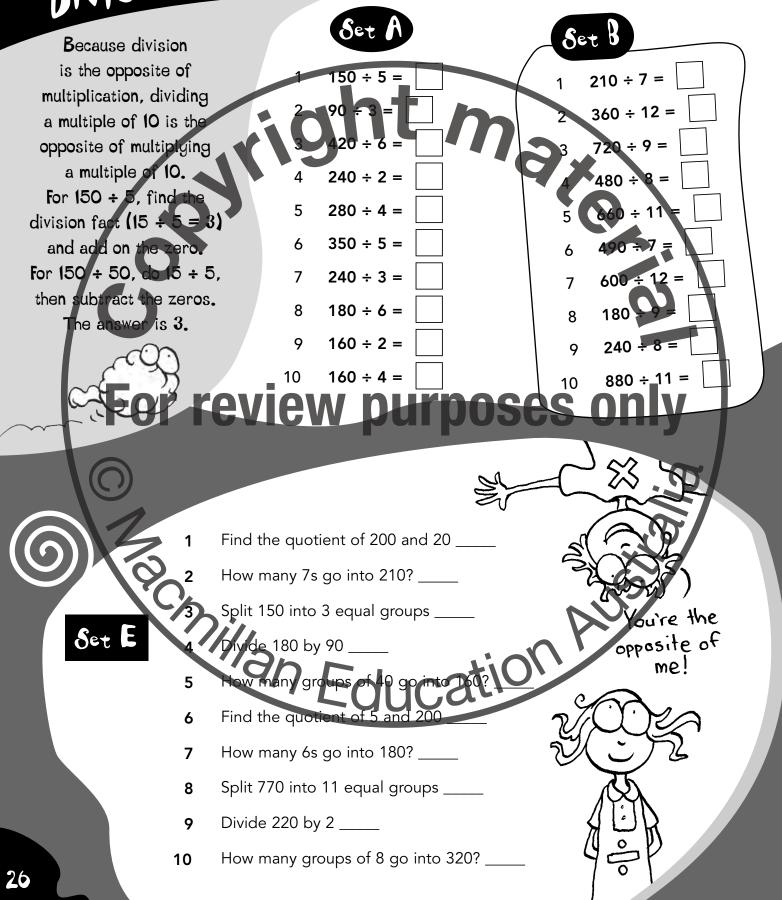
Number

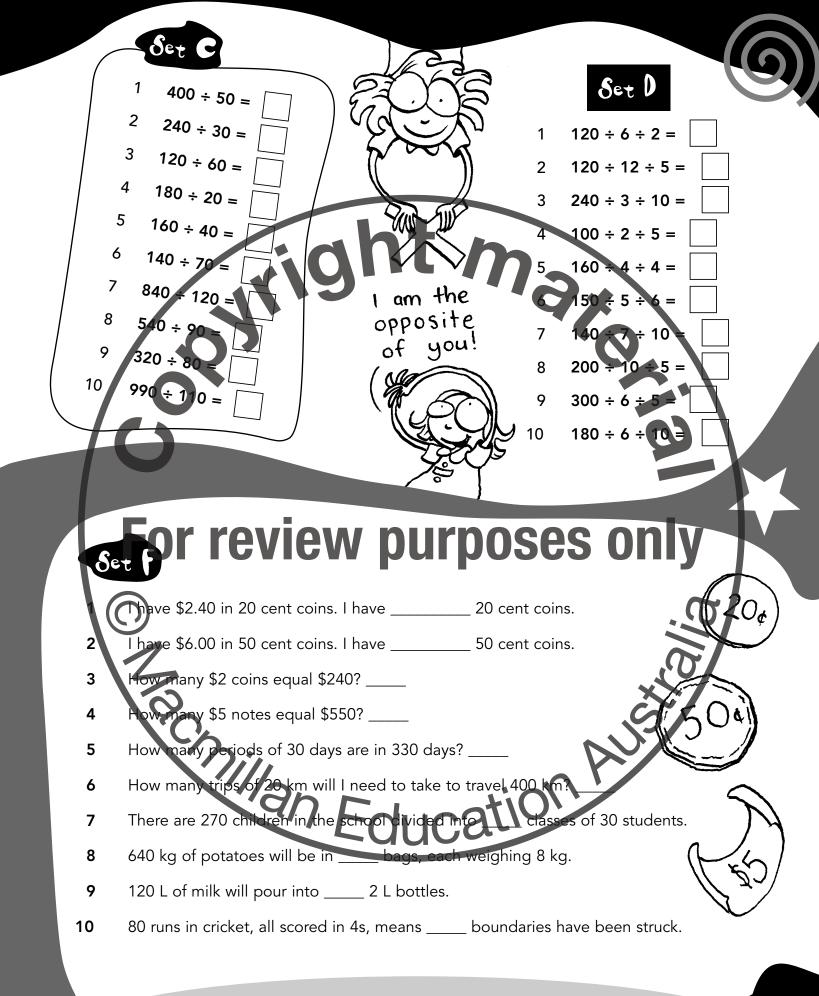




Vic: Mental computation and estimation 4.1; WA: Number N4.3; SA: Number 3.8

Number Unit 10 Division: Dividing multiples of 10

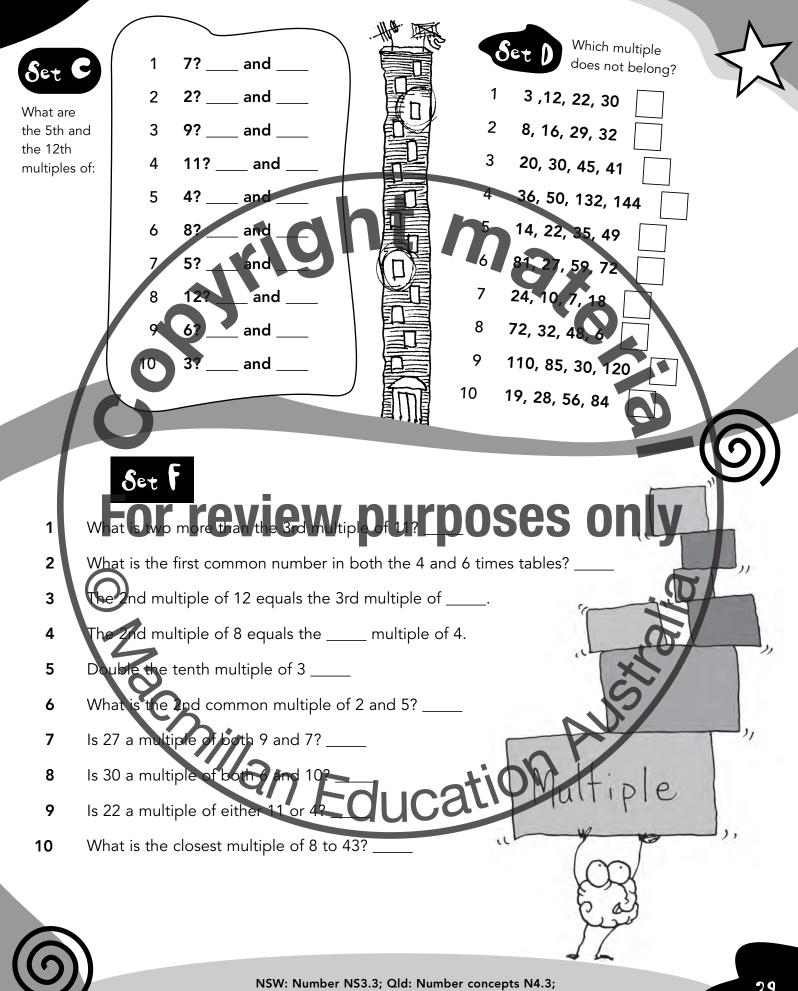




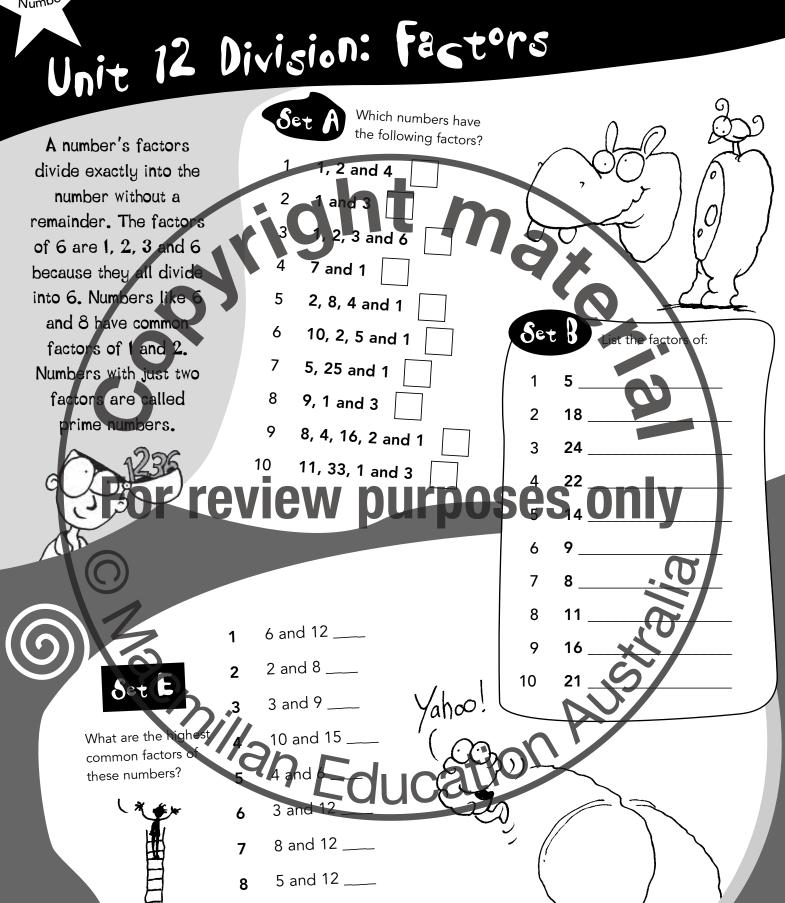
NSW: Number NS3.3; Qld: Number concepts N4.3; Vic: Mental computation and estimation 4.1; WA: Number N4.3; SA: Number 3.8

Number Unit 11 Multiplisation: Multiples and Sommon multiples



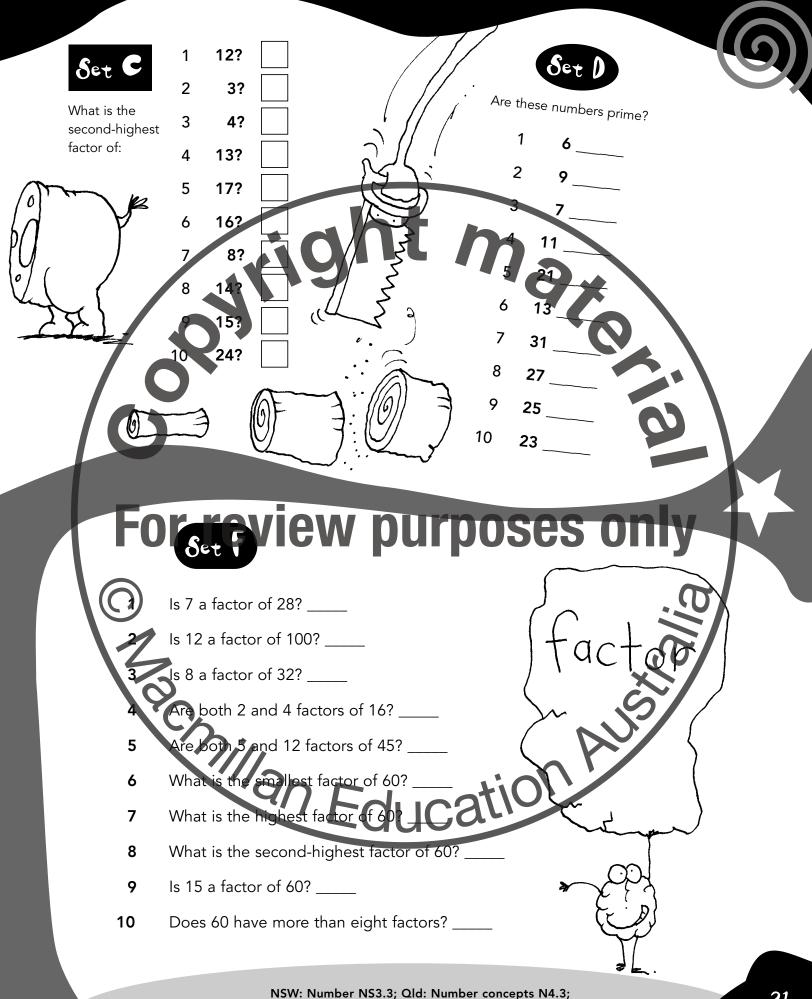


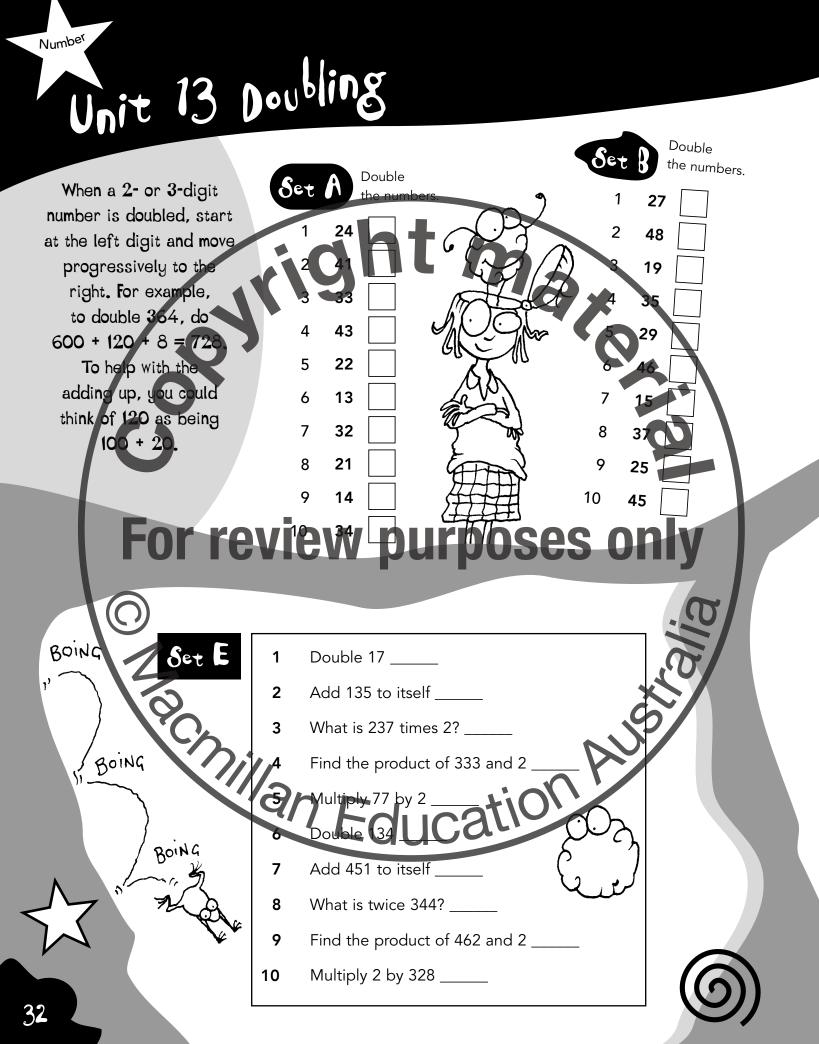
Vic: Mental computation and estimation 4.1; WA: Number N4.3; SA: Number 3.8

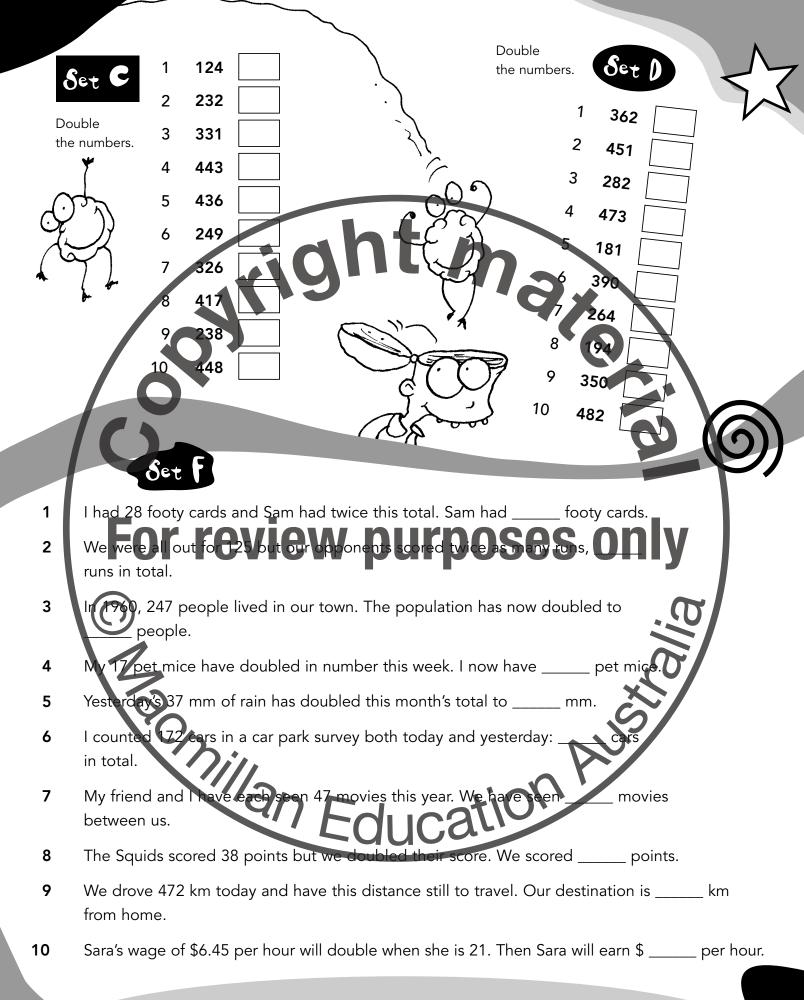


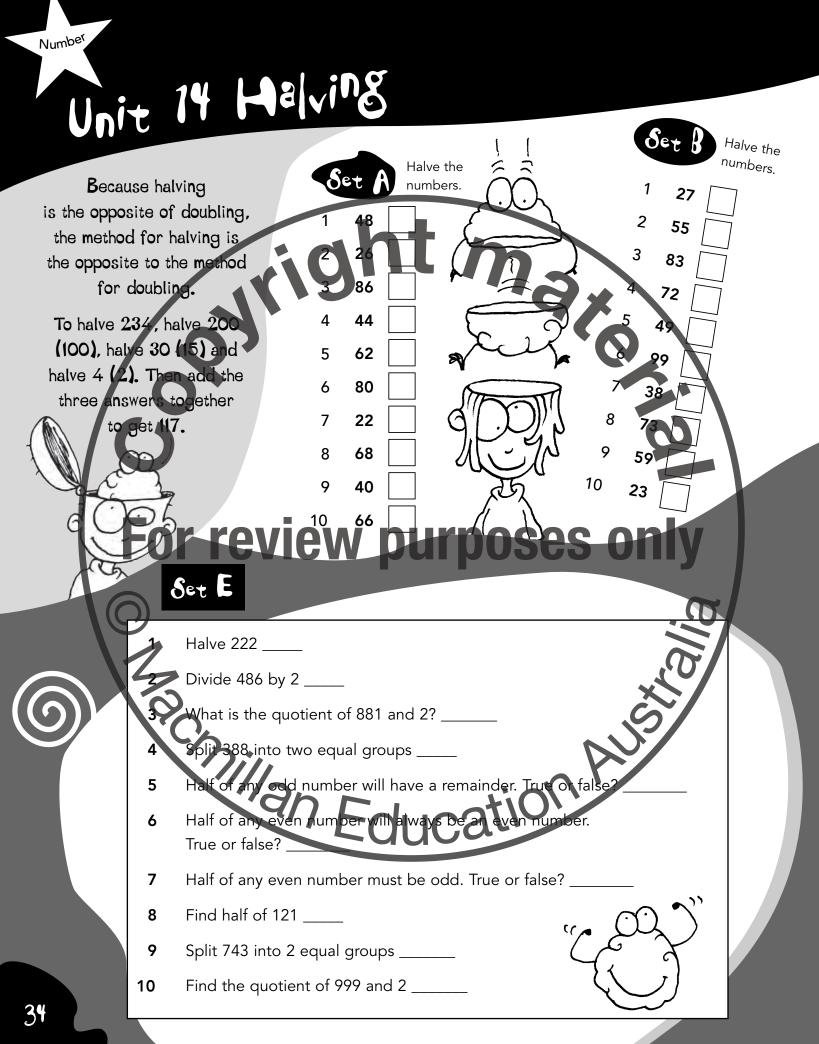
- 9 8 and 20 ____
- **10** 20 and 50 ____

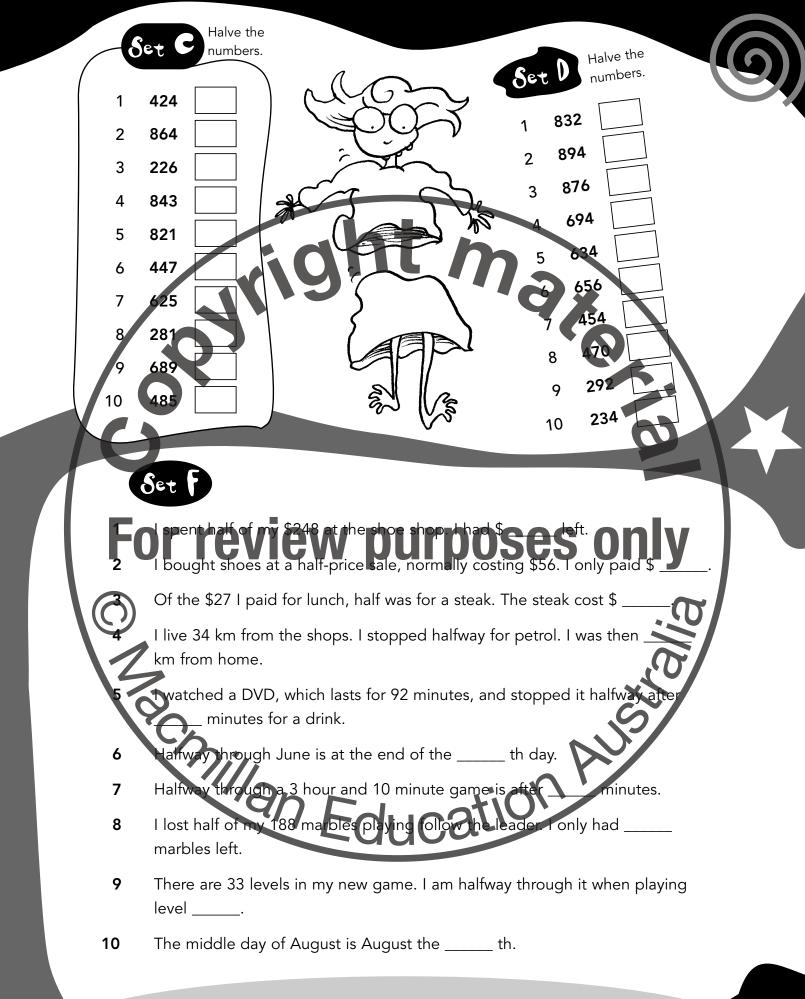
Number

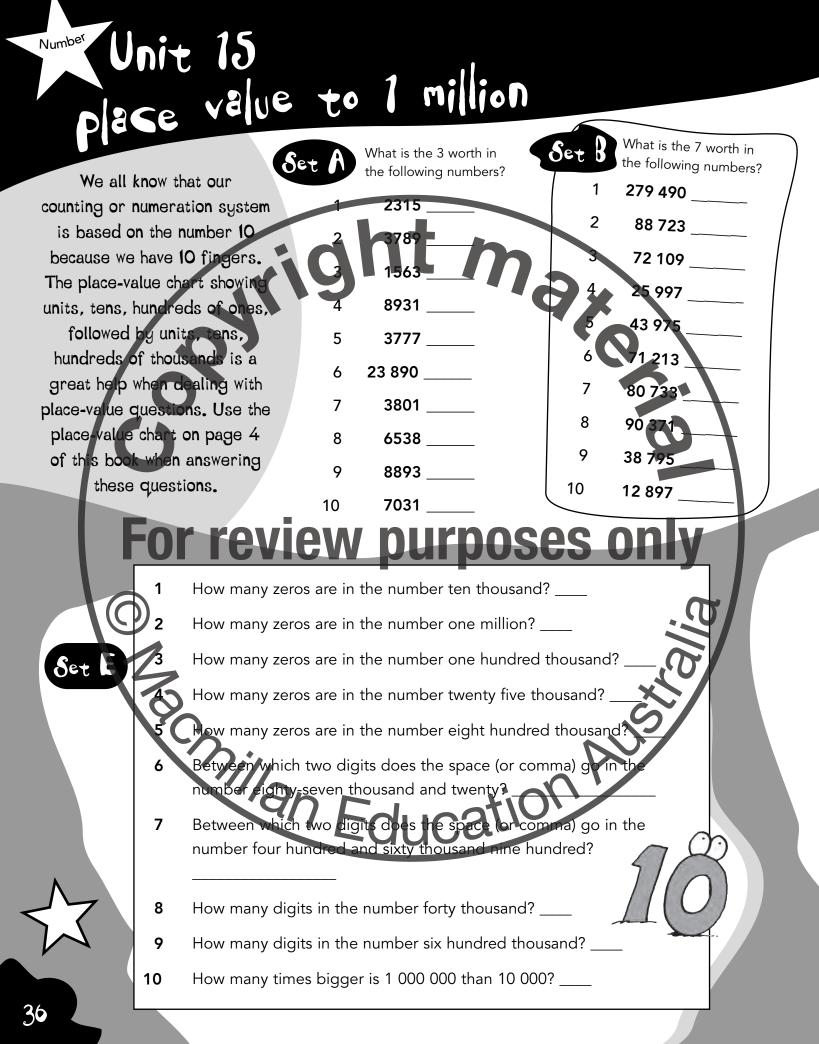














Answers

	Unit 1	Addition: Add	ing 1-20 to mi	ultiples of 10	
Set A	Set B	Set C	Set D	Set E	Set F
1 42	1 54	1 34	1 58	1 51	1 34
2 54	2 47	2 43	2 81	2 82	2 33
3 31	3 91	3 58	3 67	3 51	3 75
4 85	4 39	4 78	4 92	4 97	4 54
5 67	5 86	5 61	5 89	5 53	5 56
6 97	6 65	6 96	6 55	6 79	6 \$83
7 79 8 49	7 43	7 92	7 78 8 83	8 no	7 57 8 68
8 49 9 66	8 78 9 87	9 92	8 83 9 96	8 no 9_83	8 68 9 61
10 98	10 59	10.78	10 81	10 76	10 44
		it 2 Addition:	Naging 2-gigin	t numbers	
Set A	Set B	Set C	Set D	Set E	Set P
1 39	1 78	1 107	1 117	1 59	1 77
2 68	2 79	2 115	2 119	2 96	2 🗊
3 87	3 99	3 112	3 136	3 114	3 65
	4 78	4 119	4 118	4 116	4 49
5 73 6 95	5 98 6 78	5 137 6 146	5 128 6 146	5 155 6 108	5 \$89
6 95 7 78	7 76	7 129	7 129	7 149	7 \$65
8 79	8 78	8 129	8 108	8 yes	8 109
9 83	9 83	9 109	9 118	9 129	9 109
10 99	10 98	10 135	10 125	10 116	10 149
	r rai		AIPAA		niv E
	Unit 3 Sub	traction: Subtr	* + in v 1-20 fr	om multiples o	
			•		_
Set A	Set B	Set C	Set D	Set E	Set F
1 26	1 14	1 26	1 28	1 36	1 6
2 39	 26 352 	2 25 3 13	 2 36 3 47 	 53 74 	243
4 52	3 52 4 28	3 13 4 8	3 47 4 23	3 74 4 yes	
5 13	5 12	5 16	5 25	5 yes	5 (8
6 76	6 13	6 22	6 12	6 45	o 72
7 38	7 31	7 15	7 39	7 no	7 22
8 28	8 44	8 14	8 11	8 78	8 26
9 49	9-42	9 17	9 19	9 32	9 42
10 74	10 55	10 46	10 38	10 57	10 37
	Unit 4	Subtraction: (Subtracting 2-	digit numbers	
Set A	Set B	Set C		Set E	Set F
1 54	1 52	1 true	1ULU	1 66	1 11
2 62	2 25	2 true	2 32	2 62	2 33
3 25	3 68	3 true	3 73	3 81	3 81
4 62	4 42	4 false	4 25	4 62	4 41
5 32	5 54	5 true	5 31	5 54	5 61
6 32 7 43	6 32 7 22	6 true 7 false	6 40 7 31	6 41 7 61	6 43 7 12
8 23	8 33	8 true	8 46	8 53	8 21
9 34	9 20	9 false	9 41	9 66	9 71
10 11	10 42	10 false	10 23	10 51	10 21

Answei	rs	E	C.C.	~~··· ~~~			
Unit 5 Multiplication: The 1 times to 6 times tables							
Set A 1 24 2 21 3 18 4 55 5 10	Set B 1 8 2 24 3 44 4 9 5 16	Set C 1 4 2 45 3 4 4 66 5 28	Set D 1 32 2 12 3 20 4 40 5 12	Set E 1 48 2 33 3 14 4 60 5 9	Set F 1 40 2 18 3 20 4 35 5 1		
 6 36 7 32 8 27 9 10 10 30 	 6 20 7 7 8 30 9 16 10 36 	6 15 7 6 8 40 9 6 10 72	6 48 7 48 8 30 9 24 10 45	6 48 7 36 8 24 9 24 10 25	 6 54 7 20 8 12 9 14 10 50 out of 50 		
	Unit O	Multiplisation: Th	e 7 times to	12 times tables	\mathbf{S}		
Set A 1 9 2 55 3 64 4 42 5 44 6 80 7 54 8 44 9 72 10 14 FO Set A 1 210 2 320 3 540 4 80 5 540 6 50	Set B 1 120 2 110 3 99 4 88 5 24 6 84 7 60 8 70 9 63 10 121 FFFC Set B 1 360 2 660 3 160 4 350 5 480 6 300	Set C 1 96 2 35 3 84 4 90 5 81 6 33 7 45 8 63 9 36 10 50 Vnic Physical Set C 1 1500 2 1600 3 2400 4 4900 5 1000 6 2000	Set D 1 90 2 132 3 72 4 84 5 96 6 100 7 81 8 88 9 24 10 42 3 cion: Mutiples Set D 1 1200 2 3500 3 21 000 4 800 5 550 6 840	Set E 1 36 2 77 3 24 4 77 5 72 6 100 7 yes 8 yes 9 56 10 56 Set E 1 1600 2 200 3 360 4 4200 5 8000 6 30 000	Set F 1 72 2 \$66 3 32 4 49 5 108 6 60 7 27 8 \$45 9 132 10 56 Set F 1 \$1 2 41500 3 \$20 4 450 5 4000 6 11000		
7 210 8 450 9 180 10 280	7 720 270 9 550 10 496	 7 3200 8 1800 9 1800 10 3600 	 7 2400 8 4000 9 1200 10 7200 	7 false 8 400 9 4900 10 2000	7 10000 3 1600 9 \$600 10 40 000		
	V	Uniz 8 Division	Divisors of 1	to of			
Set A 1 11 2 8 3 4 4 7 5 2 6 10 7 3 2 12	Set B 1 6 2 3 3 8 4 4 5 7 6 2 7 6 2 3	Set C 1 9 2 6 3 1 4 11 5 4 6 7 7 2 2 10	2 10 3 2 4 1 5 6 6 4 7 3	Set E 1 5 2 9 3 6 4 1 5 8 6 4 7 7 2 2	Set F 1 4 2 8 3 9 4 6 5 11 6 12 7 6		
8 12 9 5	8 3 9 12	8 10 9 3	8 2 9 3	8 2 9 10	8 4 9 10		

12

7

7

8

10 9

5

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	Unit 9 Division: Divisors of 7 to 12							
Set A 1 6 2 9 3 2 4 12 5 4 6 8 7 11 8 1 9 5 10 3	Set B 1 10 2 7 3 9 4 2 5 12 6 4 7 8 8 11 9 1 10 5	Set C 1 3 2 10 3 7 4 6 5 2 6 12 7 4 8 8 9 11 10 1	Set D 1 4 2 4 3 2 4 4 5 3 6 1 7 5 8 5 9 1 10 3	Set E 1 5 2 3 3 10 4 7 5 6 6 2 7 12 8 4 9 8 10 1	Set F 1 7 2 6 3 2 4 nine 5 3 6 10 7 9 8 7 9 8 10 5			
	Uni	t 10 Division: D	lividing multiple	s of 10				
Set A 1 30 2 30 3 70 4 120 5 70 6 70 7 80 8 30 9 80 10 40 Set A 1 3 times ta 3 5 times ta 3 5 times ta 4 9 times ta 5 11 times ta 8 12 times ta 1 1 7 times ta 9 4 times ta	Set 8 1 80 2 30 3 80 4 60 5 60 6 70 7 50 8 20 9 30 10 80 <b>Durit</b> 1 <b>Set B</b> ble 1 56 ble 2 88 ble 3 32 fore 4 72 fable 5 40 ble 6 96 7 80 8 48 ble 9 64	Set C 1 8 2 8 3 2 4 9 5 4 6 2 7 7 8 6 9 4 10 9 VICIPLISTON: Set C 1 35, 84 2 10, 24 3 45, 108 4 55, 132 5 20, 48 6 40, 96 7 25, 60 8 60, 144 9 30, 72 10 15, 36	Set D 1 10 2 2 3 8 4 10 5 10 6 5 7 2 8 4 9 10 10 3 OUTOPIES INC C Set D 1 22 2 29 3 41 4 50 5 22 6 59 7 7 8 32 9 85 10 19	Set E 1 10 2 30 3 50 4 2 5 4 6 40 7 30 8 70 9 110 10 40 Set E 1 4 2 6 3 15 4 12 5 10 6 20 7 8 8 10 9 56 10 9	Set F 1 twelve 2 twelve 2 twelve 3 120 4 110 5 11 6 20 7 2 8 80 9 60 10 20 5 60 5 10 6 20 7 2 8 80 9 60 10 20 7 1 8 80 9 60 10 20 7 2 8 80 9 60 10 20 7 1 8 80 9 60 10 20 7 2 8 80 9 60 10 20 7 1 8 80 9 7 1 8 80 9 80 10 20 7 9 8 80 9 80 10 20 7 9 8 80 9 80 10 20 7 9 8 80 9 9 10 20 7 9 8 80 9 9 10 20 7 9 10 8 10 9 10 9 1			
	Unit 12 Division: Factors							
Set A 1 4 2 3 3 6 4 7 5 8 6 10 7 25 8 9 9 16 10 33	Set B 1 1, 5 2 1, 2, 3, 6, 9, 18 3 1, 2, 3, 4, 6, 8, 1 4 1, 2, 11, 22 5 1, 2, 7, 14 6 1, 3, 9 7 1, 2, 4, 8 8 1, 11 9 1, 2, 4, 8, 16 10 1, 3, 7, 21	Set C 1 0 2 1 2, 24 3 2 4 1 5 1 6 8 7 4 8 7 9 5 10 12	2 no 3 yes 4 yes 5 no 6 yes 7 yes 8 no 9 no 10 yes	Set E         1       6         2       2         3       3         4       5         5       2         6       3         7       4         8       1         9       4         10       10	Set F 1 yes 2 no 3 yes 4 yes 5 no 6 1 7 60 8 30 9 yes 10 yes			

Answe	rs		<b>***</b> ***		
		Unit 1	3 Doubling		
Set A 1 48 2 82 3 66 4 86 5 44 6 26 7 64 8 42	Set B 1 54 2 96 3 38 4 70 5 58 6 92 7 30 8 74	Set C 1 248 2 464 3 662 4 886 5 872 6 498 7 652 8 834	Set D 1 724 2 902 3 564 4 946 5 362 6 780 7 528 8 388	Set E 1 34 2 270 3 474 4 666 5 154 6 268 7 902 8 688	Set F 1 56 2 250 3 494 4 34 5 74 6 344 7 94 8 76
9 28 10 68	<b>9</b> 50 10 90	9 476 10 896	9 700 10 964	9 924 10 656	<b>9</b> 944 <b>10</b> \$12.90
		Unit I	4 Halving		
Set A 1 24 2 13 3 43 4 22 5 1 6 40 7 11 8 34 9 20 10 33	Set B         1       13.5         2       27.5         3       41.5         4       36         5       24.5         6       49.5         7       19         8       36.5         9       29.5         10       11.5	Set C 1 212 2 432 3 113 4 421.5 5 410.5 6 223.5 7 312.5 8 140.5 9 344.5 10 242.5	Set D 1 416 2 447 3 438 4 347 5 317 6 328 7 227 8 235 9 146 10 117	Set E 1 111 2 243 3 440.5 4 194 5 true 6 false 7 false 8 60.5 9 371.5 10 499.5	Set F 1 \$124 2 \$28 3 \$13.50 4 7 5 46 6 15th 7 95 8 94 9 17 10 16th
		Unit 15 Place	value to 1 mi		illy j
Se A 1 800 2 8000 3 3 4 30 5 3000 6 3000 7 3000 8 30 9 3 10 30	Set B 1 70 000 2 700 3 70 000 4 7 5 70 6 70 000 7 700 8 70 9 700 10 7	Set C 1 40 000 2 400 000 3 40 4 4 5 4000 6 400 000 7 4000 8 40 000 9 40 10 400	Set D 1 10 2 100 3 10 4 100 5 1000 6 1000 7 10 000 8 100 9 10 000 10 100 000	Set E 1 4 2 6 3 5 4 3 5 5 6 between 7 and 7 between 0 and 8 5 9 6 10 100	
		Unit 16 Counc	ling off to 10	000	
Set A 1 150 2 350 3 550 4 750 5 950 6 1250 7 1450 8 1850 9 2250 10 2950	Set B 1 3500 2 5500 3 7500 4 9500 5 13 500 6 17 500 7 20 500 8 28 500 9 33 500 10 46 500	Set C 1 15 000 2 25 000 3 45 000 4 65 000 5 85 000 6 95 000 7 115 000 8 135 000 9 175 000 10 195 000	2 200 3 200 4 600 5 1300 6 2300 7 4800 8 6100 9 8300 10 9500	Set E 1 1000 2 3000 3 3000 4 6000 5 7000 6 8000 7 9000 8 10 000 9 11 000 10 13 000	Set F 1 50 000 2 90 000 3 40 000 4 40 000 5 90 000 6 30 000 7 10 000 8 10 000 9 20 000 10 10 000

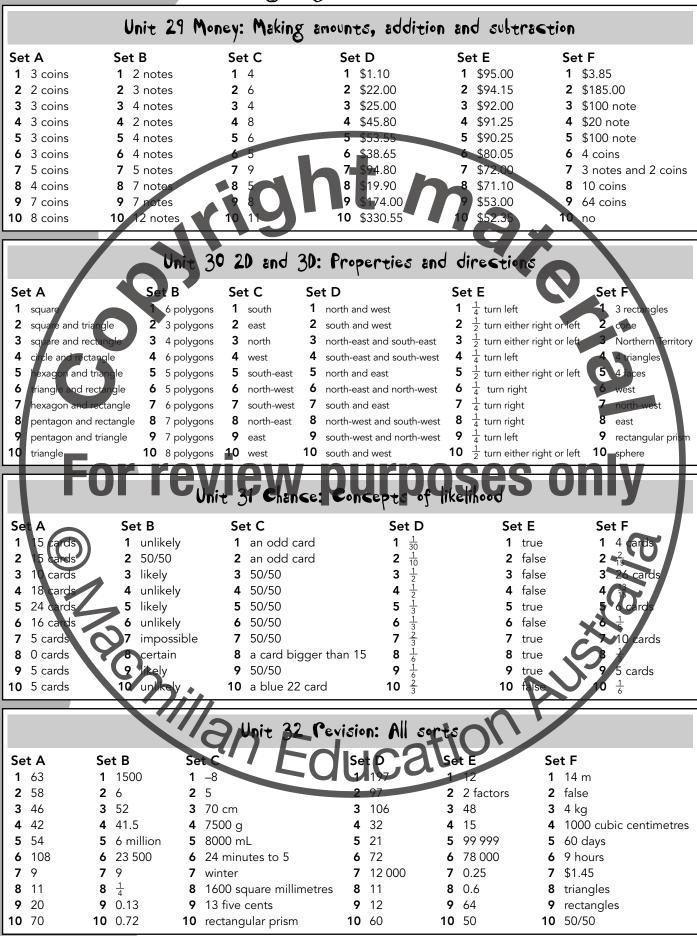
	~~~~~				Answers
	Un	it 17 Fractions	© 5: Fra∈tion of a		
Set A 1 3 2 6 3 14 4 32 5 50 6 78 7 80 8 130 9 270 10 578	Set B 1 18 2 45 3 63 4 81 5 99 6 270 7 450 8 720 9 1800 10 9 000	Set C 1 2 2 4 3 8 4 12 5 16 6 22 7 40 8 44 9 60 10 200	Set D 1 3 2 6 3 12 4 18 5 30 6 33 7 60 8 90 9 300 10 3000	Set E 1 9 2 7 3 yes 4 6 5 12 6 no 7 12 8 33 9 yes 10 400	Set F 1 40 2 3 3 two 4 60 5 4 million 6 1/4 7 12 8 6 9 \$5 10 90
	Unit 18	8 Fractions: E	quivalence and	simplest form	
Set A 1 $\frac{5}{15}$ 2 $\frac{6}{12}$ 3 $\frac{9}{45}$ 4 $\frac{4}{45}$ 5 $\frac{7}{10}$ 6 $\frac{2}{14}$ 7 $\frac{6}{66}$ 8 $\frac{8}{48}$ 9 $\frac{12}{96}$ 10 $\frac{3}{36}$ Set A 1 $\frac{7}{10}$ 2 $\frac{8}{10}$ 3 $\frac{4}{14}$ 4 $\frac{2}{5}$ 5 $\frac{2}{10}$	Set <i>B</i> 1 1 2 2 18 3 6 5 5 5 5 6 6 7 7 20 5 88 6 6 7 7 20 7 20 8 16 9 35 9 35 9 35 10 132 101 132 Unit Set B 1 0.5 2 0.1 3 0.25 4 0.2 5 0.6	Set C	Set D 1 2 2 4 3 5 4 3 5 12 6 8 7 10 8 5 9 9 10 6 Cheir fraction Set D 1 $\frac{7}{10}$ 2 $\frac{7}{10}$ 3 7 4 $\frac{7}{100}$ 5 700	Set E 1 $\frac{1}{6}$ 2 $\frac{1}{5}$ 3 $\frac{2}{3}$ 4 $\frac{4}{5}$ 5 $\frac{1}{3}$ 6 $\frac{3}{4}$ 7 $\frac{2}{3}$ 8 $\frac{1}{2}$ 9 $\frac{3}{4}$ 10 $\frac{7}{8}$ EQUIVALENCES Set E 1 3 2 5 3 9 4 20 5 23	Set F 1 $\frac{1}{4}$ 2 5 3 $\frac{2}{3}$ 4 $\frac{6}{7}$ 5 $\frac{4}{3}$ 6 $\frac{9}{10}$ 7 $\frac{7}{7}$ 8 $\frac{4}{7}$ 9 $\frac{4}{5}$ 10 $\frac{1}{5}$ Set F 1 8 m 2 5 cm 3 90 cm 4 $3 \frac{95}{5} \text{ m}$ 5 90 cm
$\begin{array}{c} 4 & \frac{2}{5} \\ 5 & \frac{9}{10} \\ 6 & \frac{1}{2} \\ 7 & \frac{1}{10} \\ 8 & \frac{3}{5} \\ 9 & \frac{1}{5} \\ 10 & \frac{1}{10} \end{array}$	6 0.75 7 0.8 8 0.4 9 0.7 10 9.3	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 3 & 700 \\ 6 & 700 \\ 7 & \frac{7}{10} \\ 8 & \frac{7}{100} \\ 9 & 7 \\ 10 & \frac{7}{10} \end{array}$	6 76 7 83 8 97 9 123 10 2459	b 2 m c 2 m c 5 m 7 5 m 8 40 cm 9 $2 \frac{45}{100} \text{ m}$ 10 $2 \frac{9}{20} \text{ m}$
	Uni		Addition and s		
Set A 1 0.6 2 0.8 3 0.7 4 0.9 5 0.8 6 0.35 7 0.78 8 0.98 9 0.86 10 0.99	Set B 1 0.4 2 0.4 3 0.8 4 0.1 5 0.2 6 0.55 7 0.23 8 0.53 9 0.21 10 0.32	Set C 1 0.93 2 0.71 3 0.71 4 0.78 5 0.94 6 0.95 7 0.41 8 0.94 9 0.94 10 0.63	Set D 2 0.18 3 0.15 4 0.48 5 0.28 6 0.36 7 0.42 8 0.24 9 0.13 10 0.22	Set E 1 0.76 2 0.9 3 0.44 4 0.8 5 0.48 6 0.2 7 0.57 8 0.66 9 0.23 10 0.39	Set F 1 23.6 2 \$2.35 3 4.4 4 1.11 5 0.12 6 76.7 7 2.2 8 \$7.70 9 68.7 10 22

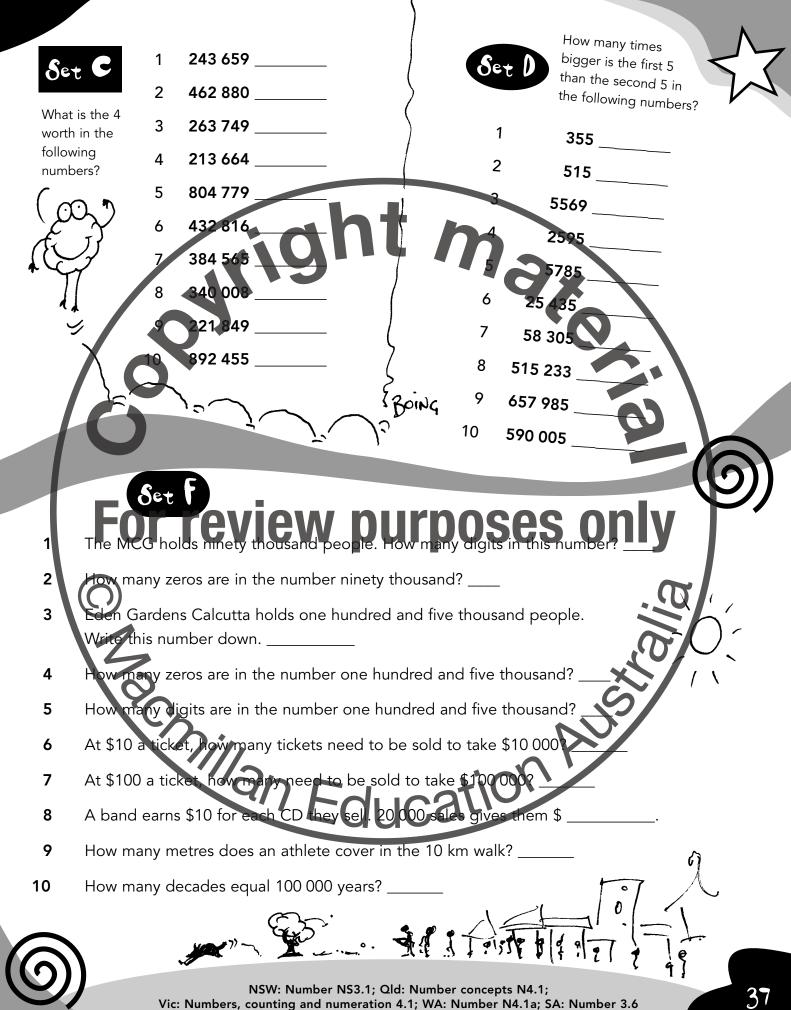
Answers	TTB.	~~~~··· c	~····	~				
	Unit 21 Sequences							
Set A 1 +10 2 x10 3 +50 4 x2 or doubling 5 +19 6 x5 7 +1 then 2, 3, 4, etc 8 +99 9 x3 10 +2 then 4, 6, 8, etc.	 Set B 1 -4 2 halving or dividing by 2 3 -8 4 halving or dividing by 2 5 -100 6 -11 7 dividing by 3 8 -1 then -2, -3, -4, etc. 9 dividing by 10 	Set C Set D 1 36 1 15 2 48 2 G 3 16 3 C 4 56 4 49 5 J 5 16 6 56 6 82 7 125 7 4:00 8 P 8 Dec 9 67 9 mill		Set F 1 1 2 1 3 2 4 1 5 $\frac{1}{2}$ 6 1 7 $1\frac{1}{2}$ 8 $1\frac{1}{2}$ 9 $\frac{1}{4}$ 10 2				
	Unit 22 Num	ler strings						
Set A Set B 1 44 1 2 2 16 2 8 3 56 3 13 4 57 4 1 5 60 6 13 7 11 7 4 8 57 8 18 9 28 9 4 10 150 10 14 Const 23 Set A Set B 1 13 1 1.1 2 55 2 1.8 3 1/2 3 1.9 4 277 4 2.5 5 398 5 3.0 6 407 6 4.4 7 493 7 5.0 8 566 8 6.6 9 788 9 7.3 10 1010 10 9	9 3 2.2 4 3.7 1 5 5.5 8 6 11 2 7 17 7 8 18.5	1 6 2 3 3 42 4 8 5 4 6 10 7 4 8 12 9 7 10 10 Conversions and Set D 1 11 2 14 3 19 4 25 5 33 6 61 7 73 8 84 9 91	1 19 2 38 3 38 4 37 5 87 6 69 7 14 8 84 9 42 10 68 1 General Sides Set E 5 1 4.8 mm 2 10 cm	Set F 1 2 2 14 3 11 4 7 5 22 6 60 7 34 8 90 9 30 0 0 9 30 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1				
	Unit 24 Ares: Conc	ept and applica	tron					
 6 square millimetres 70 square centimetres 56 square metres 108 square centimetres 350 square metres 880 square millimetres 7200 square centimetres 4000 square metres 600 square centimetres 	Set B Set C 1 3 m 1 4 3 cm, w = 2 cm 2 5 m 2 L = 5 m, W = 2 m 3 6 mm 3 L = 7 mm, W = 2 mm 4 11 m 4 L = 5 m, W = 3 m 5 30 m 5 L = 7 cm, W = 3 cm 6 12 mm 6 L = 11 mm, W = 2 mm 7 10 cm 7 L = 13 m, W = 2 m 8 1.5 m 8 L = 9 cm, W = 3 cm 9 1.5 m 9 L = 11 m, W = 3 m 10 2.5 m 10 L = 7 mm, W = 5 mm	 Set Dava e metros aquare metros square centimetros square metros square millimetros square millimetros square centimetros 	 4 800 square metre 5 90 square millime 6 2 square metres 7 400 square metre 8 400 square centin 9 70 square millime 	hetres3trues4truetres5false6falses7truehetres8false				

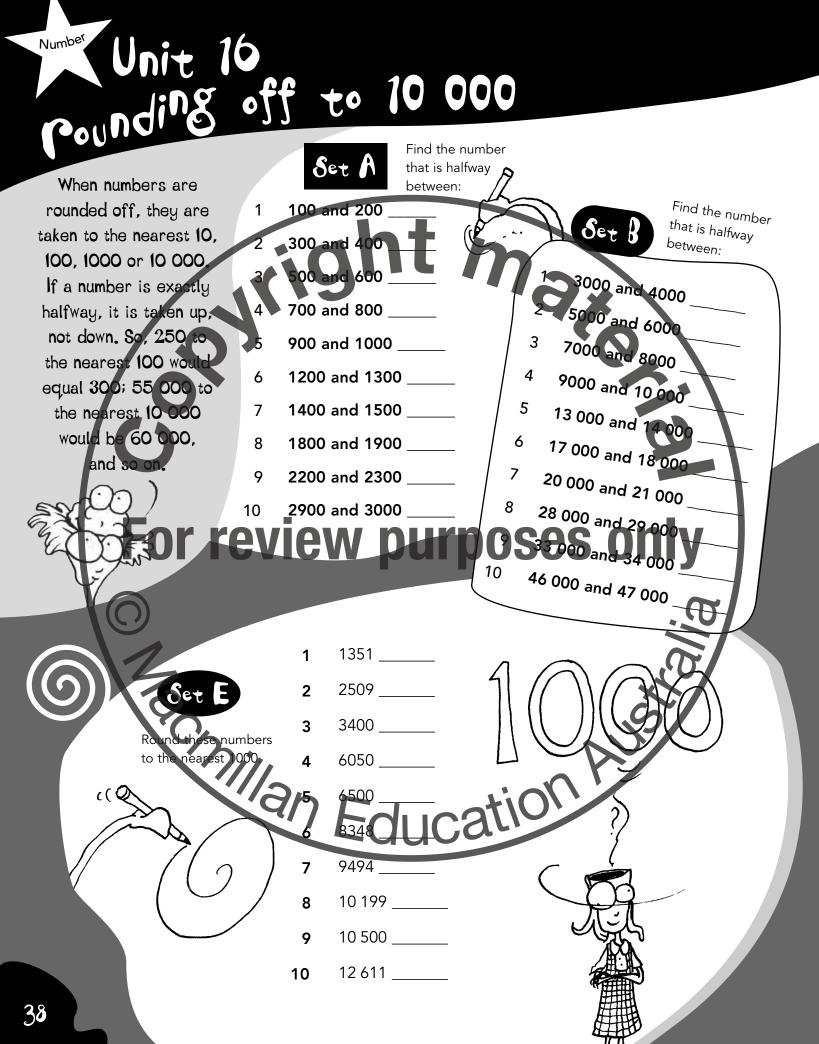
· .	\sim				Answers
	-	t 25 Mass: Uni	ts and convers		
Set A 1 500 g 2 900 g 3 1000 g 4 1100 g 5 1500 g 6 1900 g 7 2200 g 8 3500 g 9 4500 g 10 5700 g	Set B 1 0.1 kg 2 0.4 kg 3 0.8 kg 4 1.2 kg 5 1.3 kg 6 1.8 kg 7 2 kg 8 2.4 kg 9 5.5 kg	Set C 1 0.5 kg 2 0.95 kg 3 1 kg 4 1 kg 5 1.1 kg 6 1.5 kg 7 2 kg 8 2.7 kg 9 3.3 kg 10 5.5 kg	Set D 1 3.4 kg 2 2 kg 3 3 kg 4 5.5 kg 5 8 kg 6 6 kg 7 9.7 kg 8 8 kg 9 9.5 kg 10 10.1 kg	Set E 1 999 g 2 1 kg 3 1.1 kg 4 0.5 kg 5 0.8 kg 6 6300 kg 7 7900 kg 8 2 t 9 0.1 t 10 9000 kg	Set F 1 5 2 500 3 500 4 2000 5 2 6 100 7 10 8 1.6 9 250 10 2000
Set A	Unit 20 Set B	Capacity/volume Set C	e: Units and G	onversions Set E	Set F
 100 mL 500 mL 900 mL 1000 mL 1000 mL 1500 mL 1500 mL 2200 mL 2500 mL 2900 mL 	1 0.2 L 2 0.4 L 3 0.8 L 4 0.95 L 5 1 L 6 1.2 L 7 1.4 L 8 1.8 L 9 2 L	 8 cubes 16 cubes 16 cubes 20 cubes 24 cubes 20 cubes 60 cubes 100 cubes 9 120 cubes 	 1 L 110 mL 1 L 1.1 L 0.5 L 2 L 3000 mL ¹/₂ L 3¹/₂ L 	1 2 cm 2 7 cm 3 2 cm 4 7 m 5 6 m 6 1 cm 7 5 mm 8 20 cm 9 100 m	 1000 cubes 27 cubes 8 cubic centimetres 500 g 400 L 6 false 7 no 8 64 cubes 5 18
Set A	Set B	Fine: Digital a	nd ana ogue co Set D	nversions Set E	Set F
 1 17 mmutes pa 2 25 minutes to 3 28 minutes pa 4 6 minutes to 2 5 13 minutes to 6 2 minutes to 7 14 minutes pa 8 26 minutes to 9 11 minutes pa 	6 2 3:50 ast 10 3 3:22 4 5:48 7 5 11:15 6 8:45 5 7 9:56 5 7:44 9 9 1:23	 15 minutes 10 minutes 30 minutes 60 minutes 61 minutes 62 minutes 62 minutes 40 minutes 40 minutes 66 minutes 120 minutes 	 10 minutes 40 minutes 70 minutes 120 minutes 59 minutes 61 minutes 80 minutes 105 minutes 70 minutes 20 minutes 	 10 hours 8 hours 7 hours 6 hours 12 hours 11 hours 13 hours 6 hours 9 11 hours 10 23 hours 	 1 1:30 3:40 p.m. nidnighi 2:30 an. 4:38 11:04 11:05 p.m. 4 a.m. 9 afternoon 17 minutes
Set A	Set B Set	Uniz 28 Time: U C Set I	nit equivalence		F
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Vednesday 3 M uesday 4 M uesday 5 M aturday 6 Ja uesday 7 M Vednesday 8 Do	owember 1 6 aptember 2 6 arch 3 6 arch 4 6 ay 5 6 anuary 6 9 arch 7 9 ecember 8 9 ugust 9 9	I days 1 9 I days 2 5 I days 3 J I days 4 D I days 5 5 2 days 6 1 I days 7 2 2 days 6 2 1 days 7 2 2 days 8 2 2 days 9 7	June 2 Tuesdays uly and August December and January Fridays 2 movies 0 days 1 days days fortnights

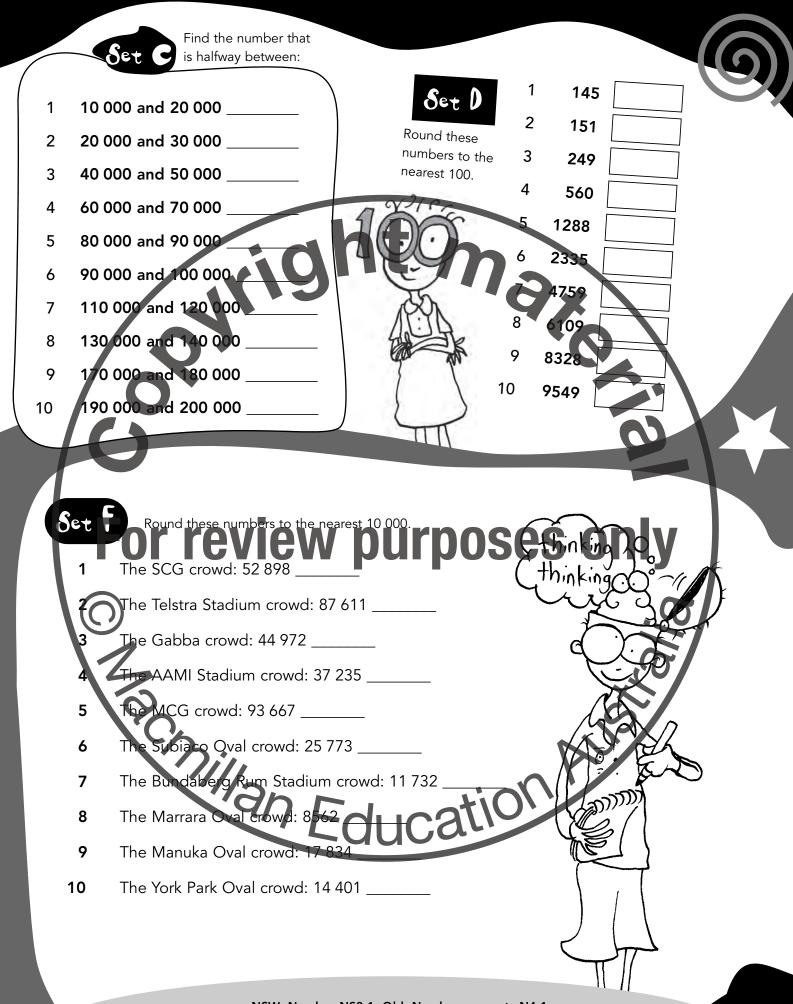
Answers

P.









NSW: Number NS3.1; Qld: Number concepts N4.1; Vic: Numbers, counting and numeration 4.1; WA: Number N4.1a; SA: Number 3.6 "Unit 17 Fractions: Fraction of an amount

Find one-te

β0

60

140

320

500

780

800

1300

2700

4

5

6

7

8

9

Set

6

7

8

9

10

Find nine-tenths of:

20

50

70

90

300

500

800

2000

10 000

Remember that when we deal with fractions, we are really just working with division. Finding half of an amount means dividing it into two equal parts and taking one of those parts. Finding two-thirds of an amount means splitting it into three equal parts and taking two of those parts. For review⁵⁷⁸⁰pu

6

Ser

Number

What is one-third of 27?

Find one-sixth of 42 $_$

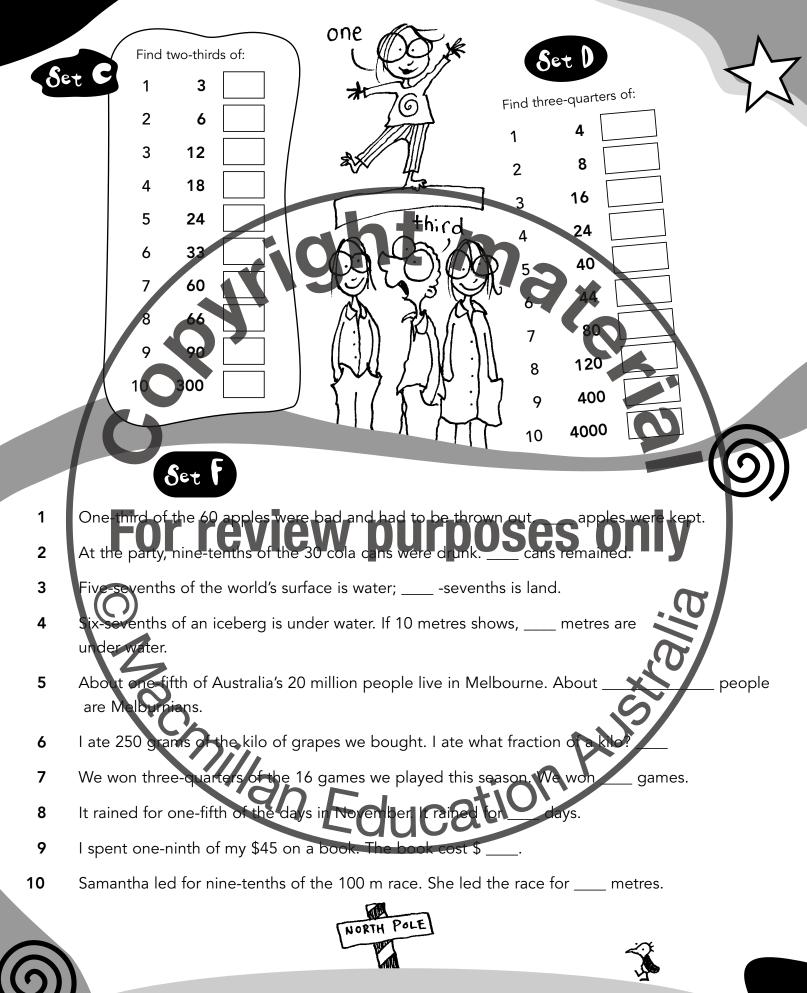
Is two-fifths of 10 equal to 4? _____

What is two-sevenths of 21? ____

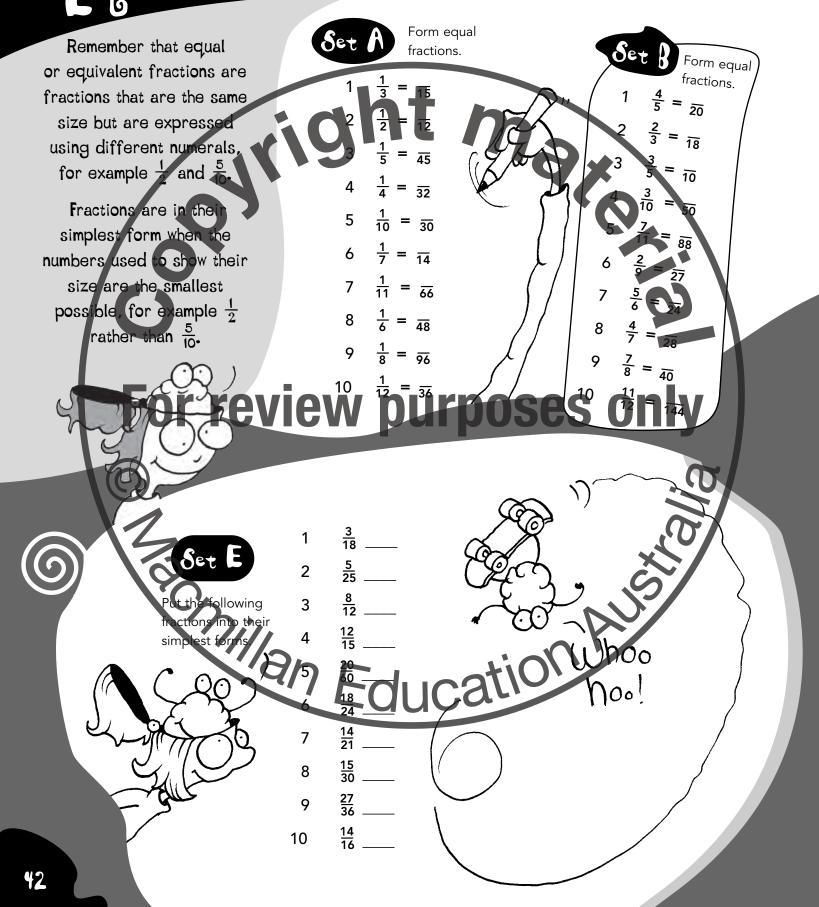
- 5 tenths of 40
- Is nine-tenths of 80 Find six-twelfths of 24 7
- Find four-eighths of 66 _____ 8

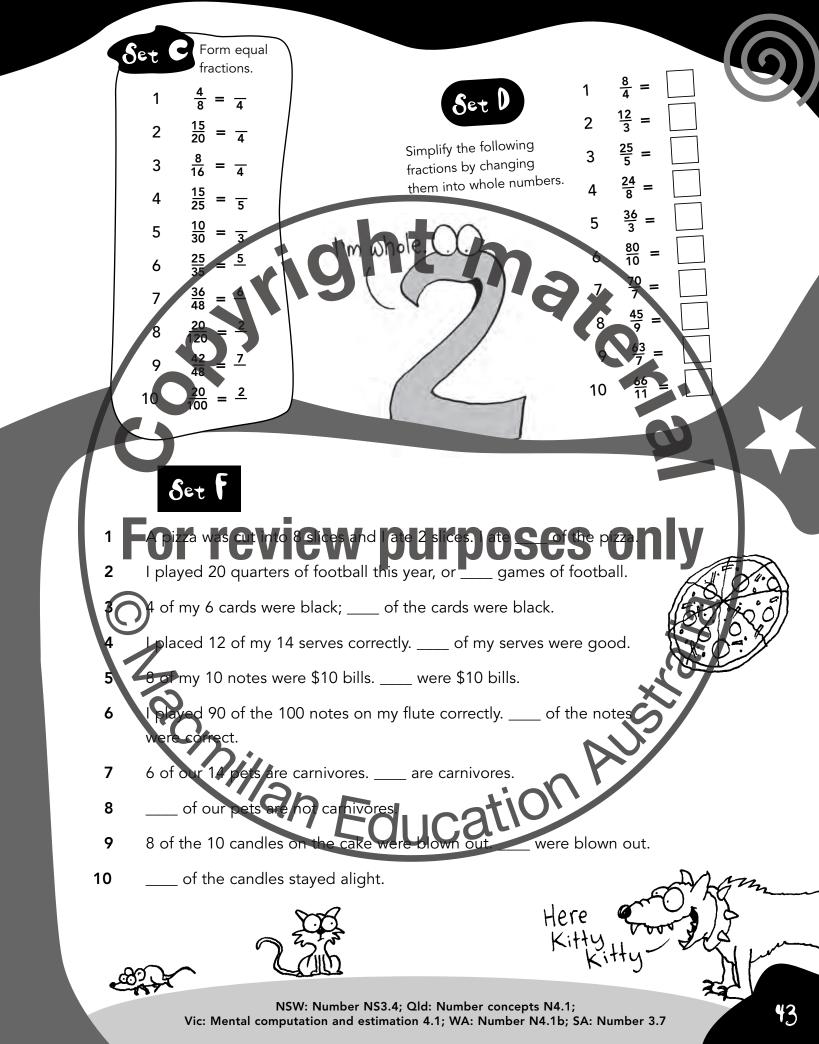
Is three-sixths of 100 the same as one-half of 100? 9

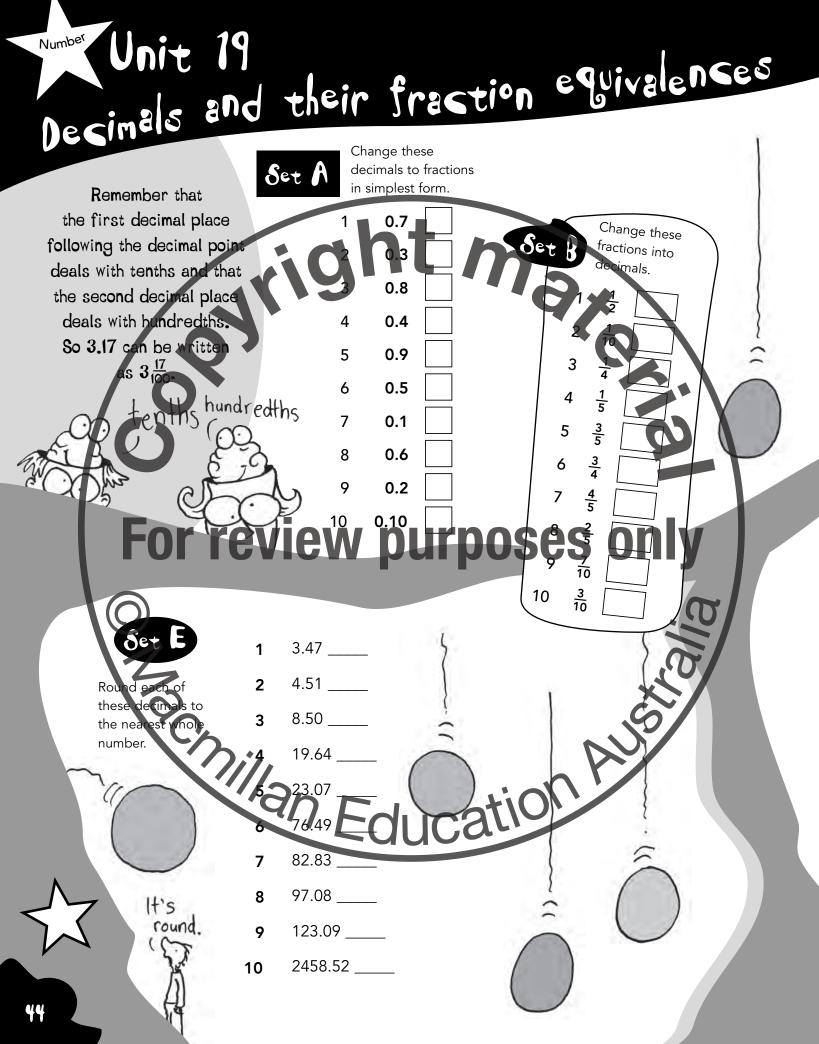
What is four-fifths of 500? _____ 10

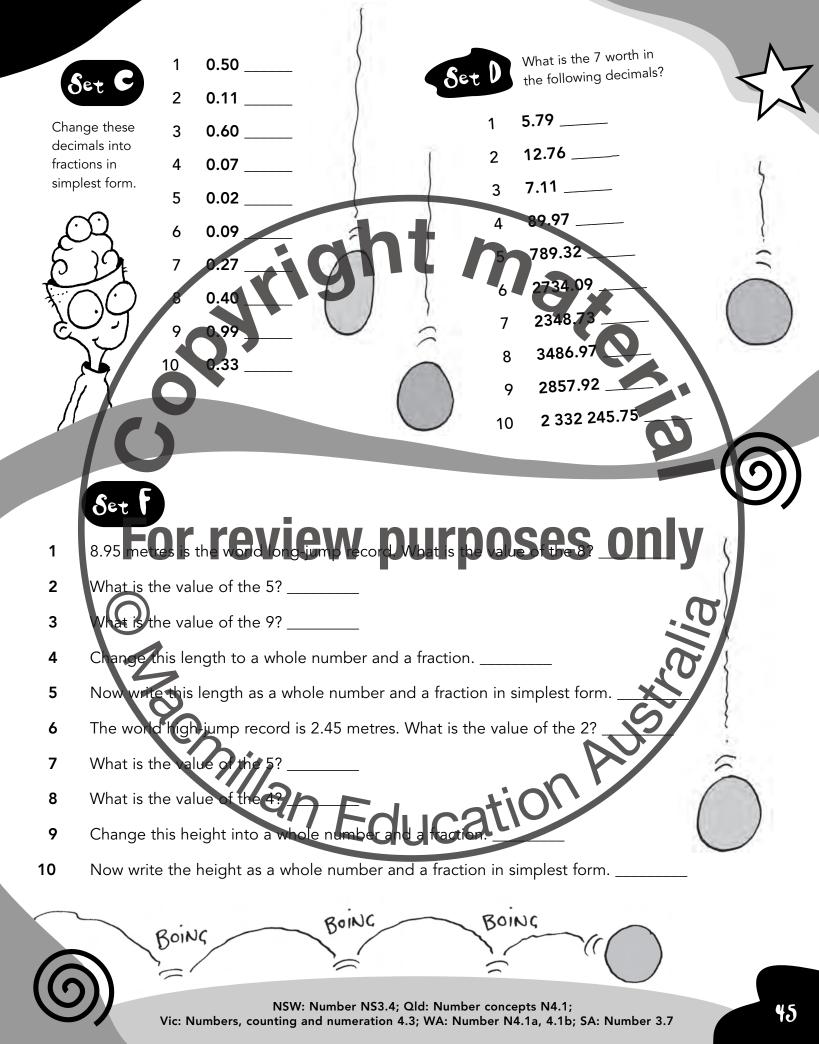


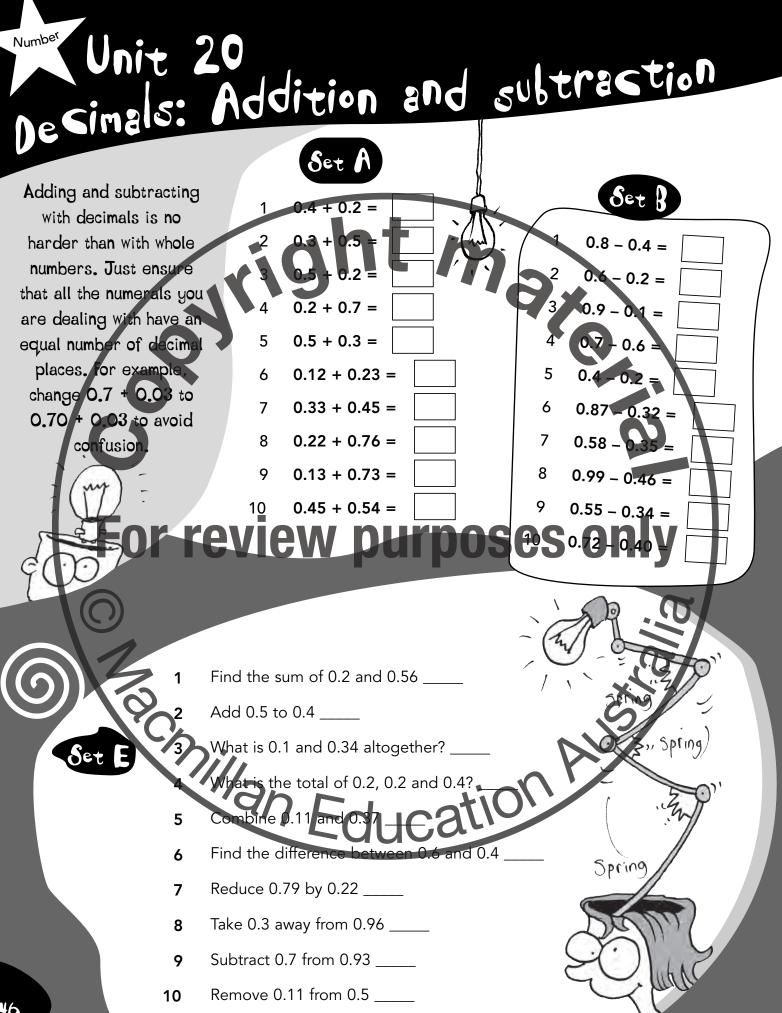
NSW: Number NS3.4; Qld: Number concepts N4.1; Vic: Mental computation and estimation 4.1; WA: Number N4.1b, 3.1b; SA: Number 3.7 Number Unit 18 Fractions: Equivalence and simplest form

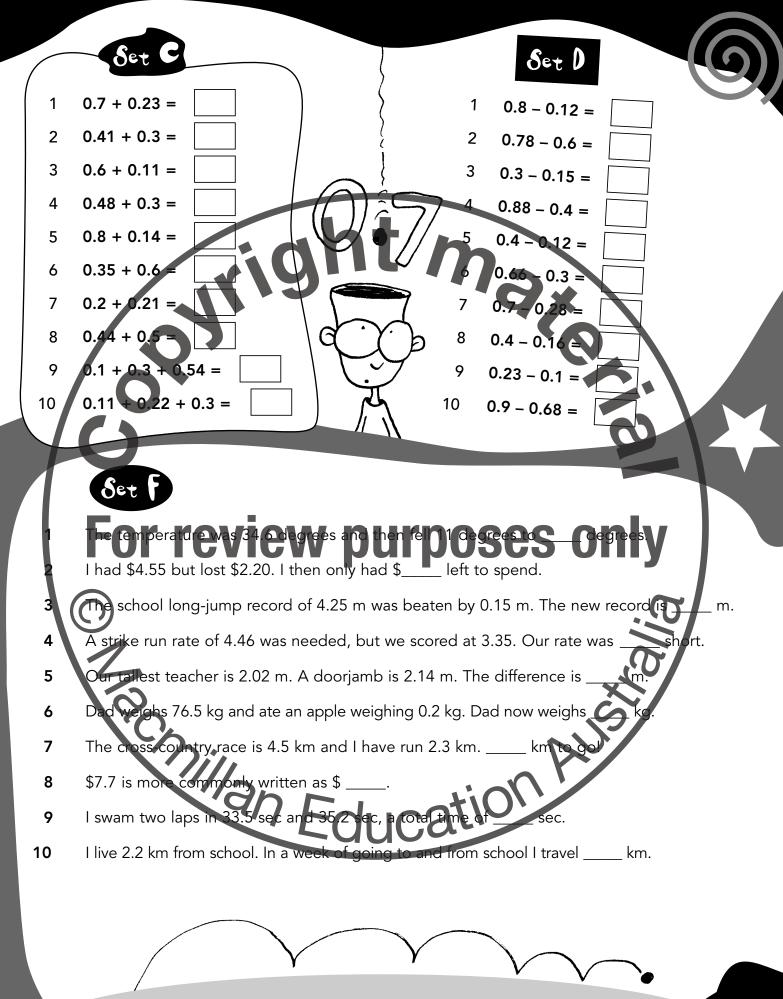




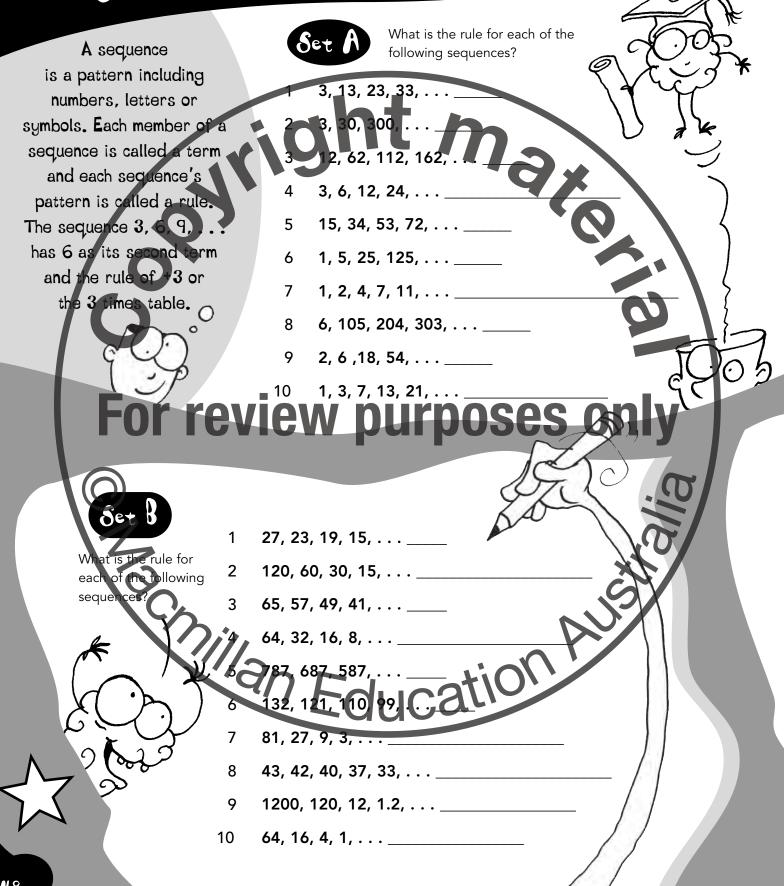




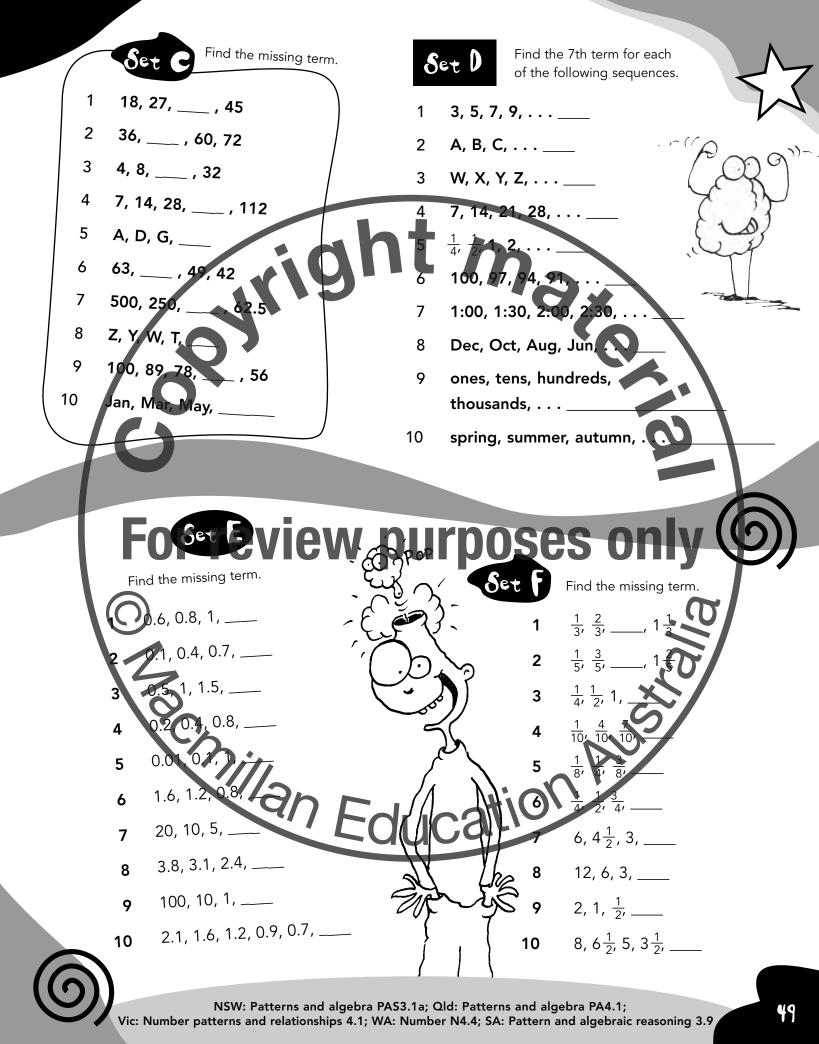


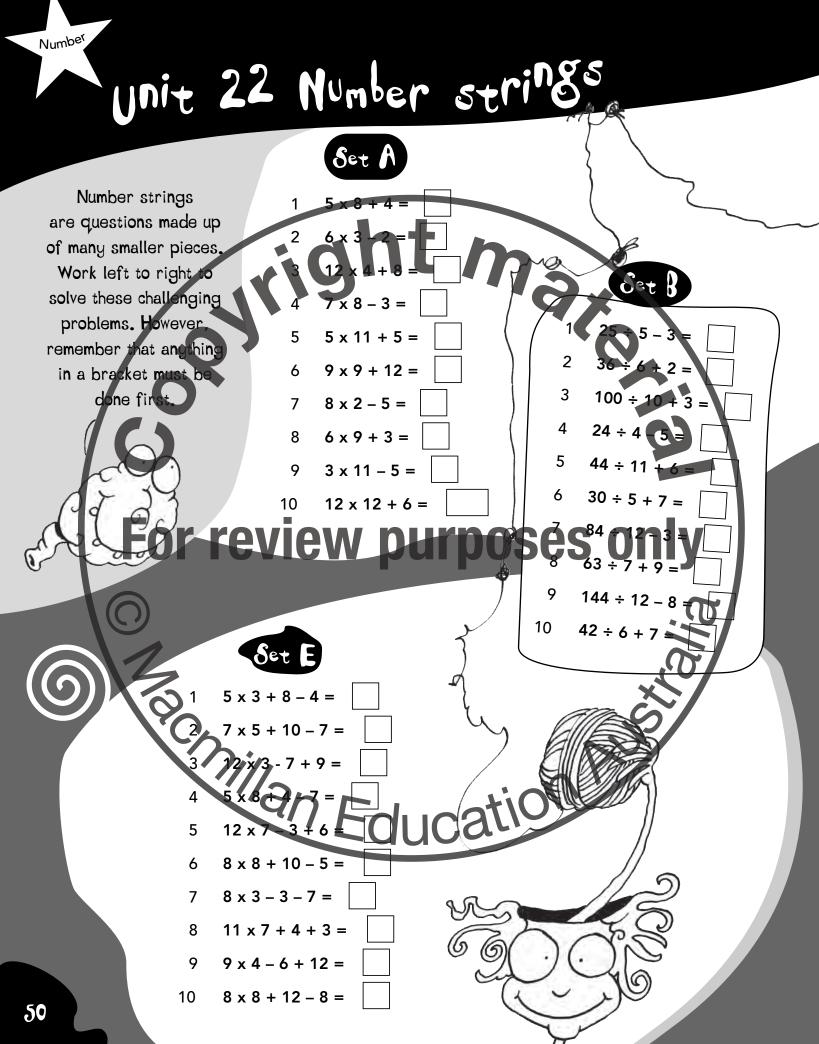


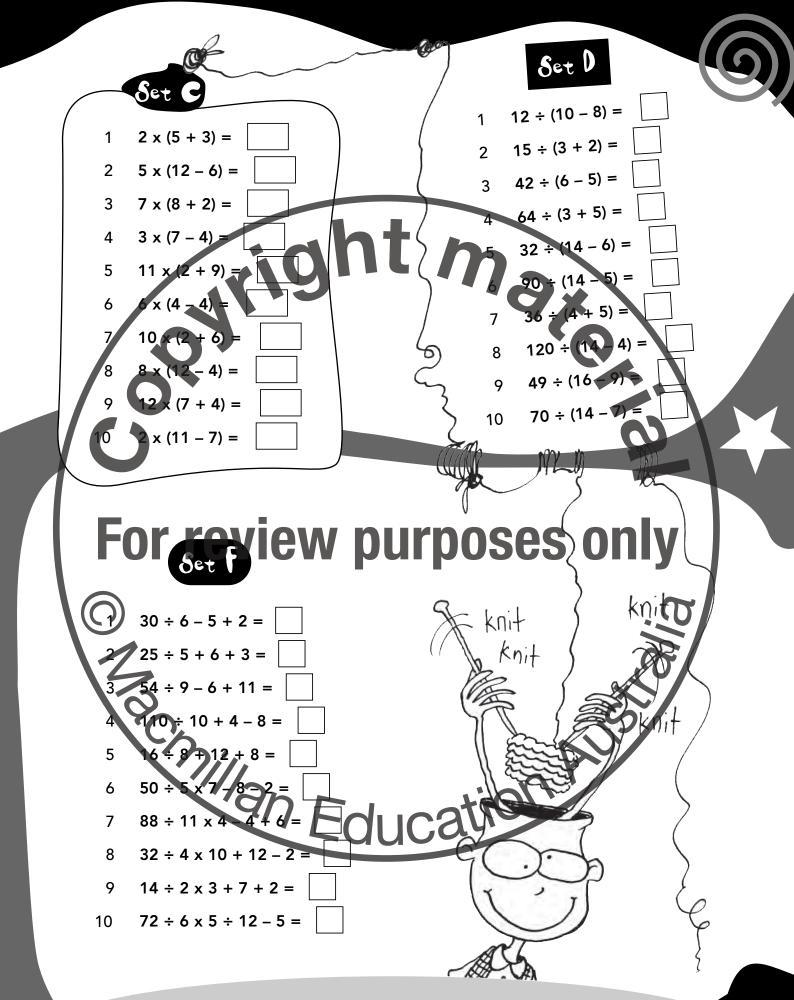
NSW: Number NS3.4; Qld: Number concepts 4.1; Vic: Mental computation and estimation 4.2; WA: Number N4.1a; SA: Number 3.7 Unit 21 Sequenses



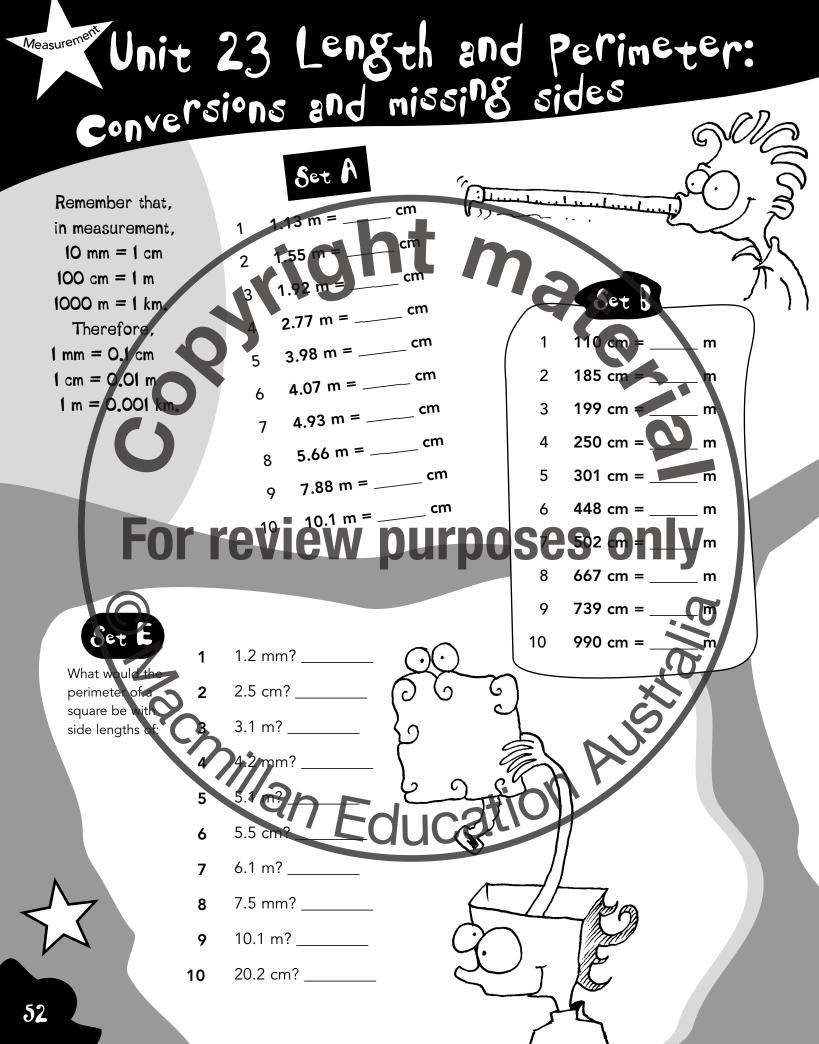
Number

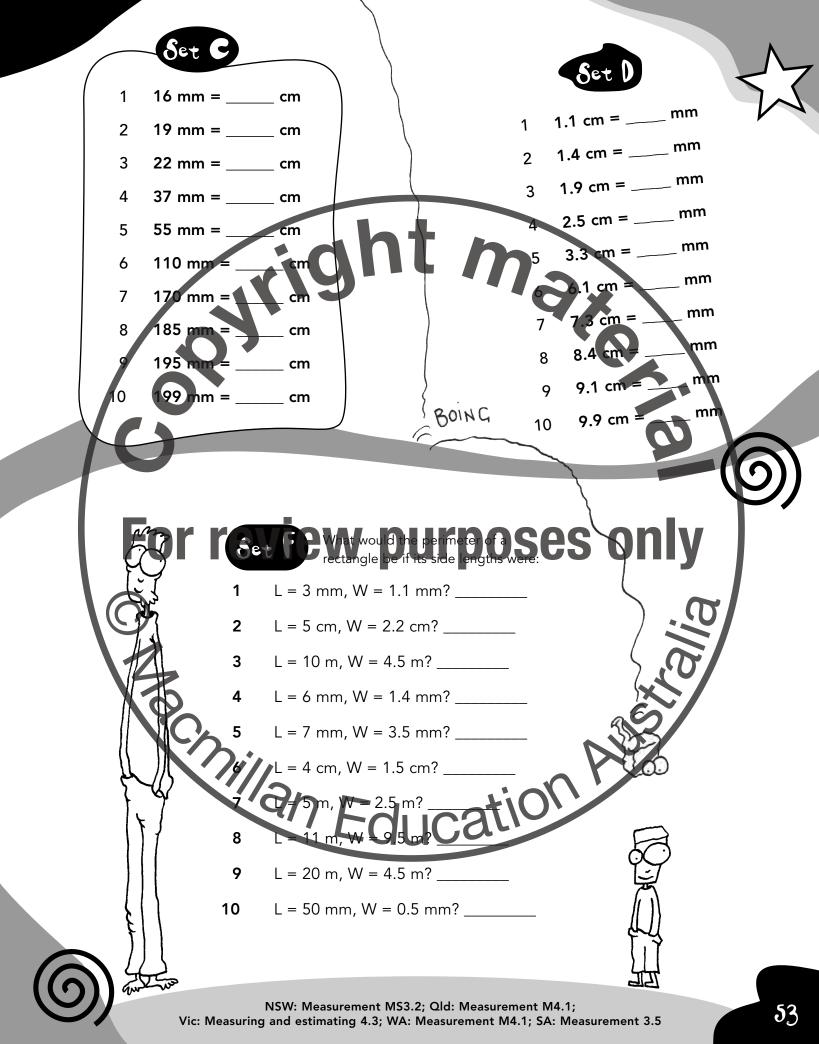






NSW: Number NS3.2, 3.3; Qld: Number concepts N4.2, 4.3; Vic: Mental computation and estimation 4.1, 4.2; WA: Number 4.3; SA: Number 3.8

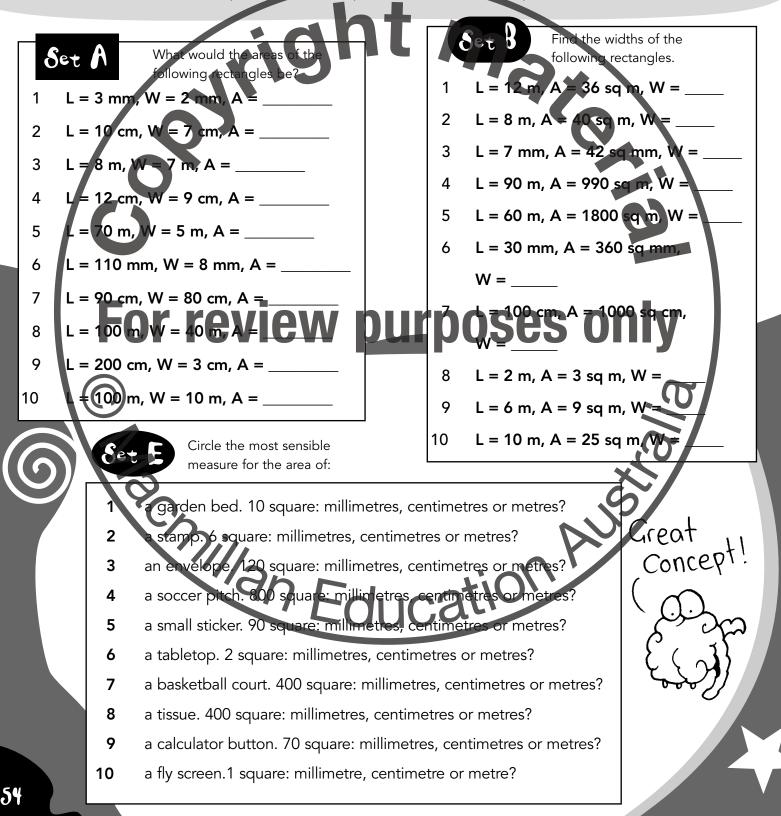


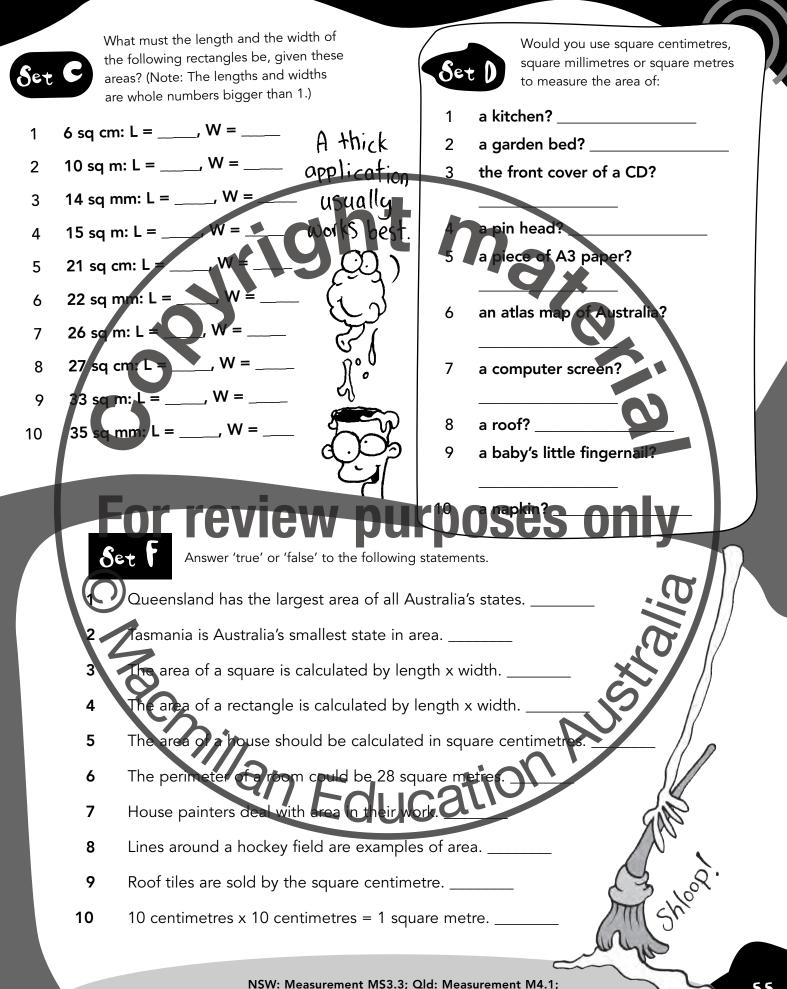


Unit 24 Area: Consept and application

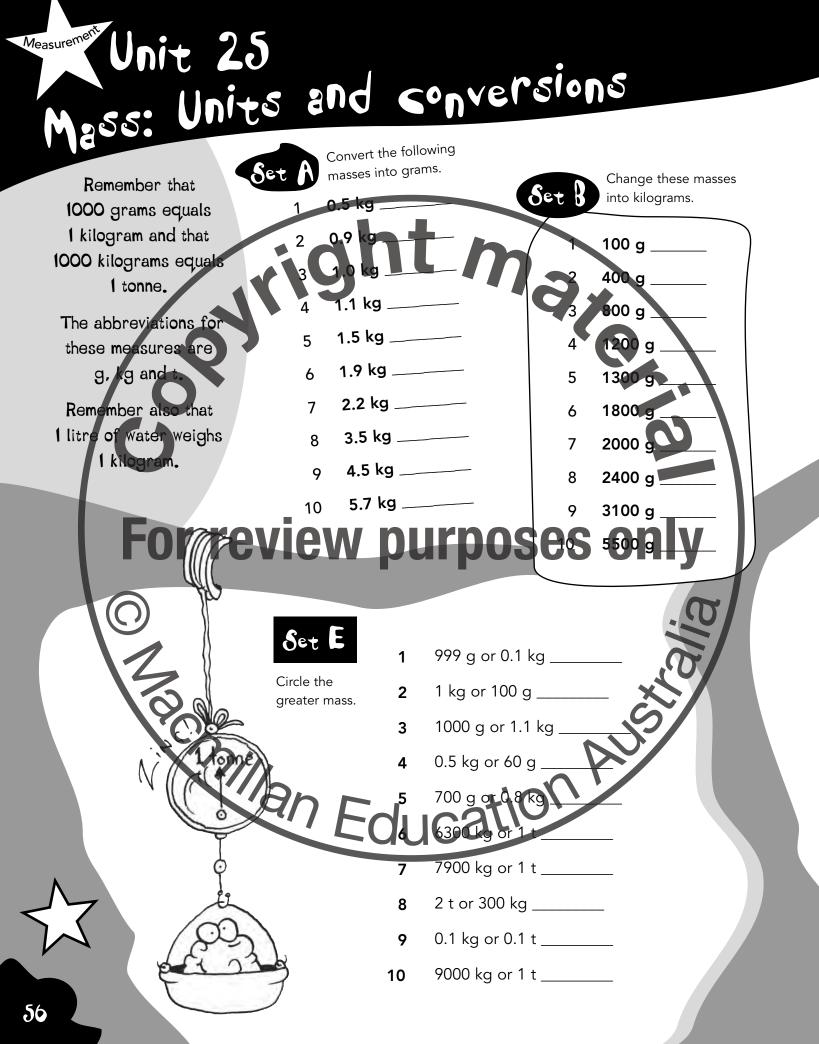
Measurement

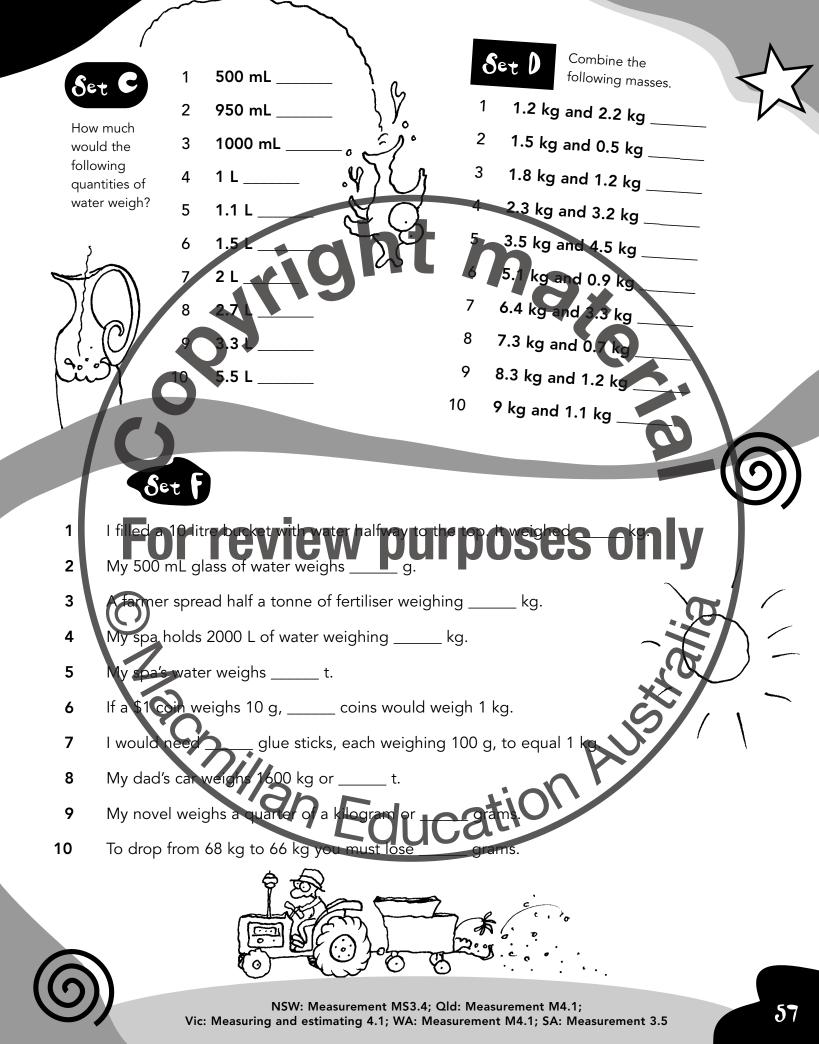
Area deals with the space inside a boundary or perimeter. Remember that the area of a rectangle is worked out by multiplying together the length and the width. This divides the shape into squares such as square centimetres or square metres.

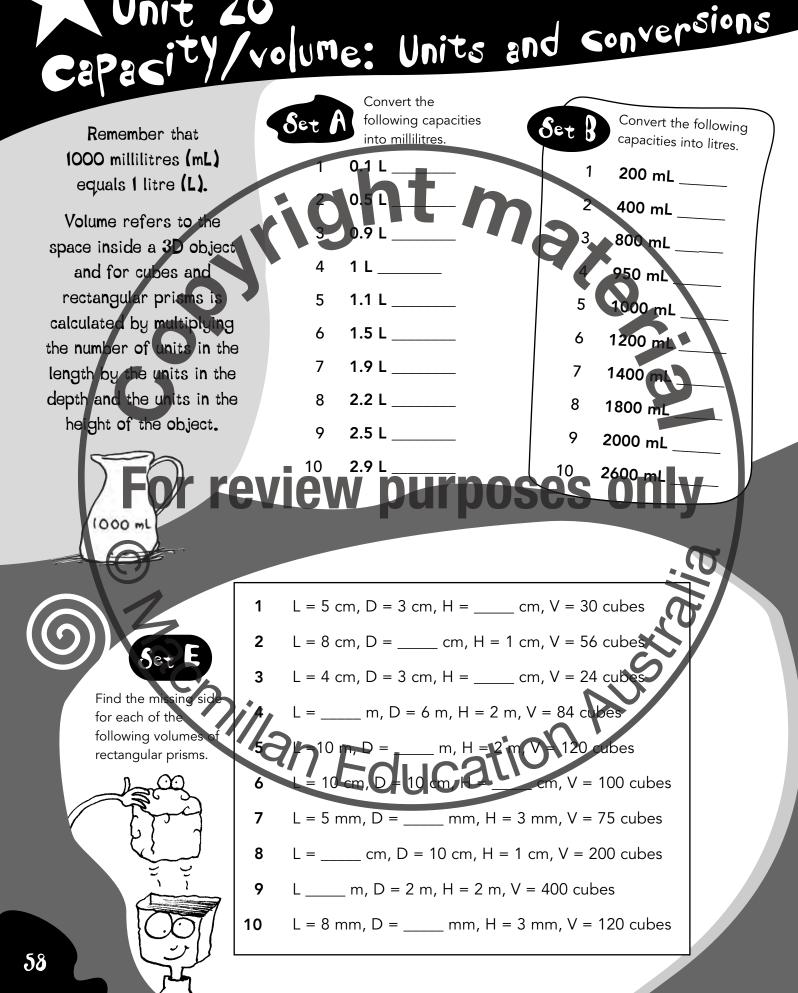




Vic: Measurement MS3.3; Cld: Measurement M4.1; Vic: Measuring and estimating 4.1; WA: Measurement M4.1; SA: Measurement 3.5

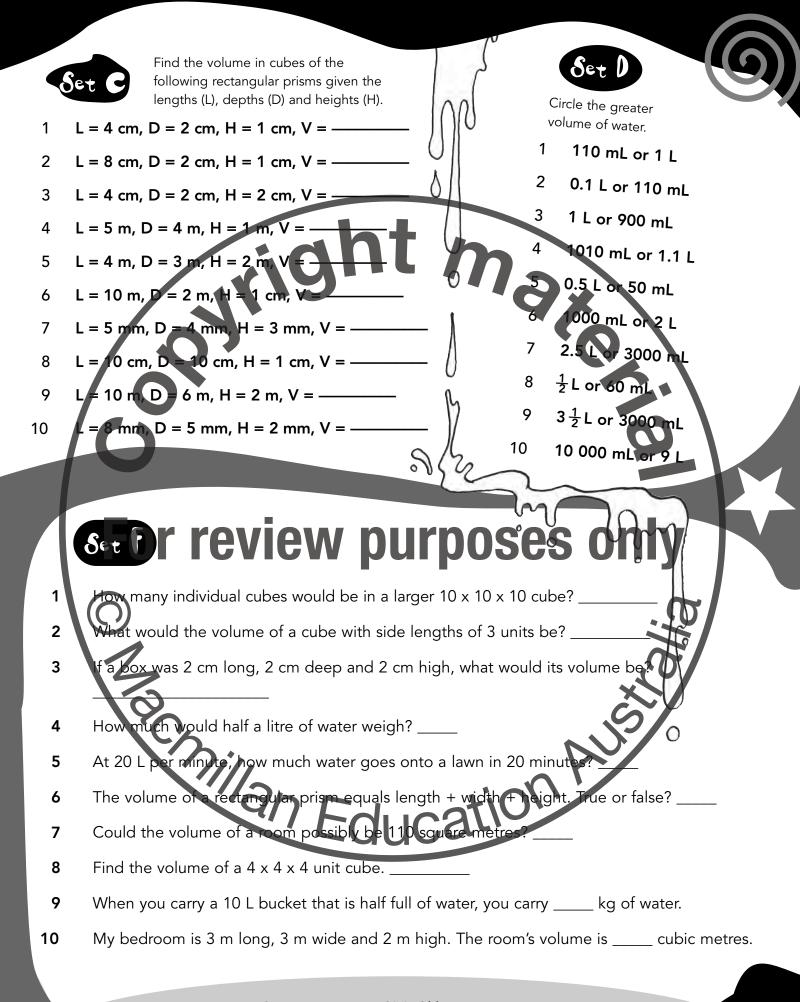




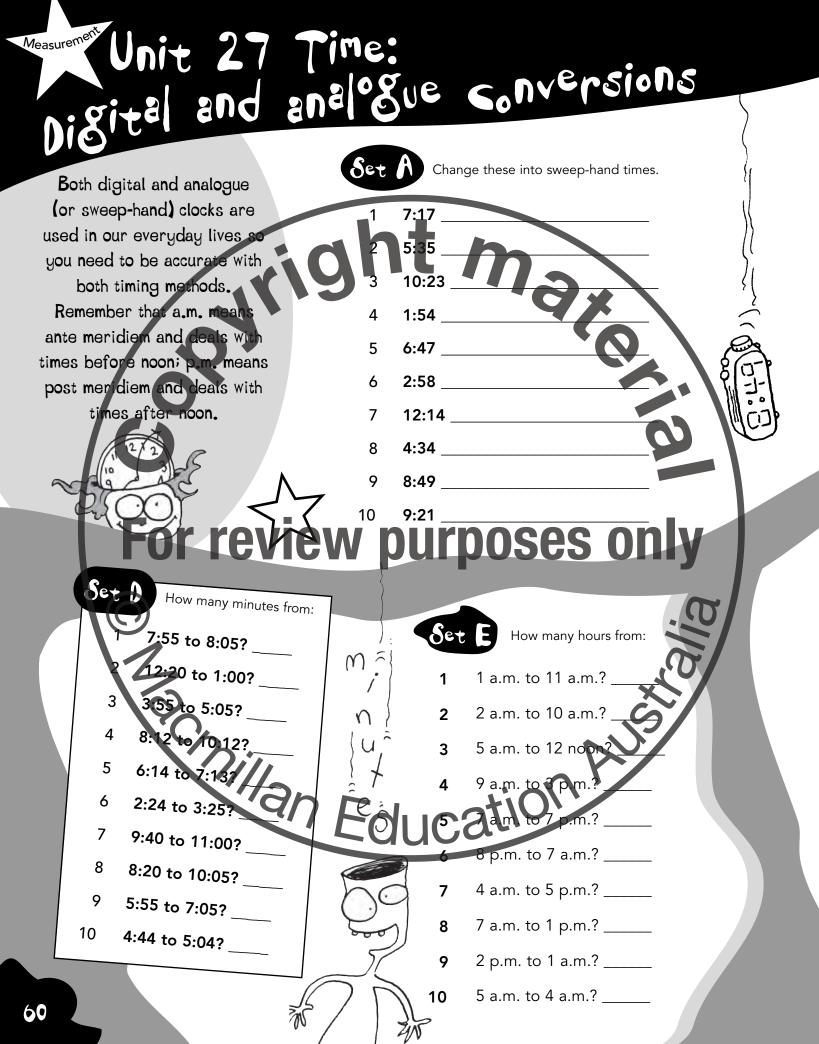


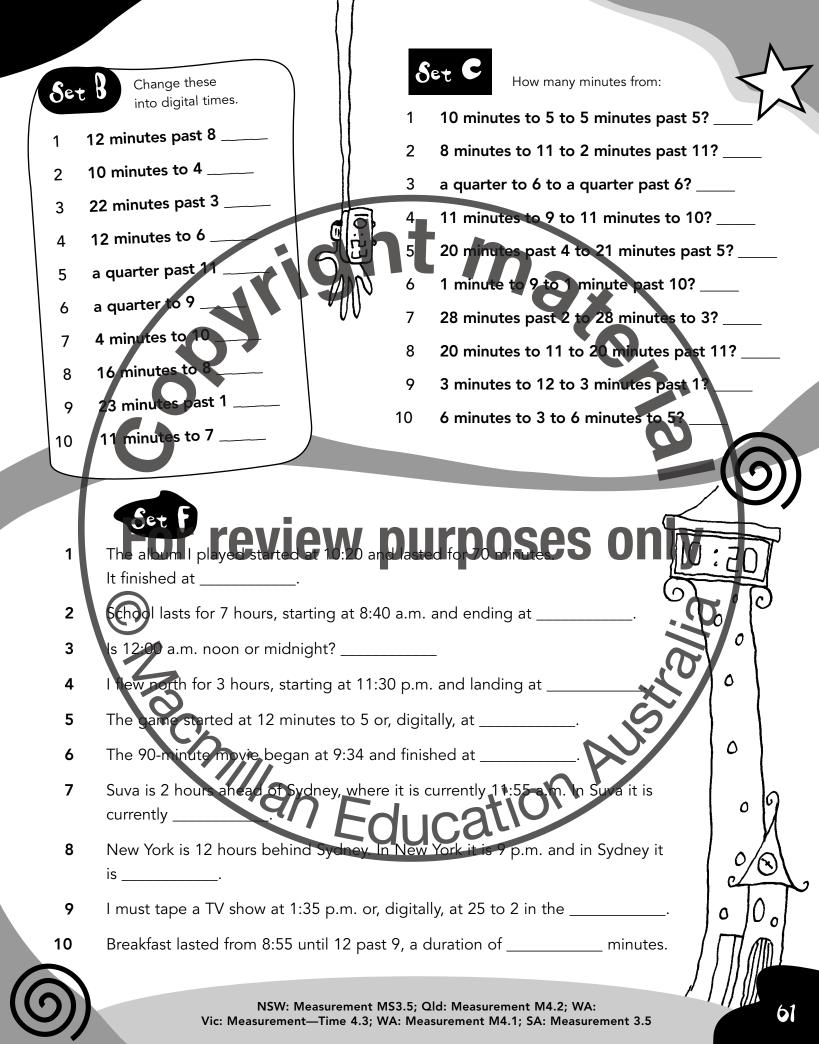
Measuremen

Unit 26

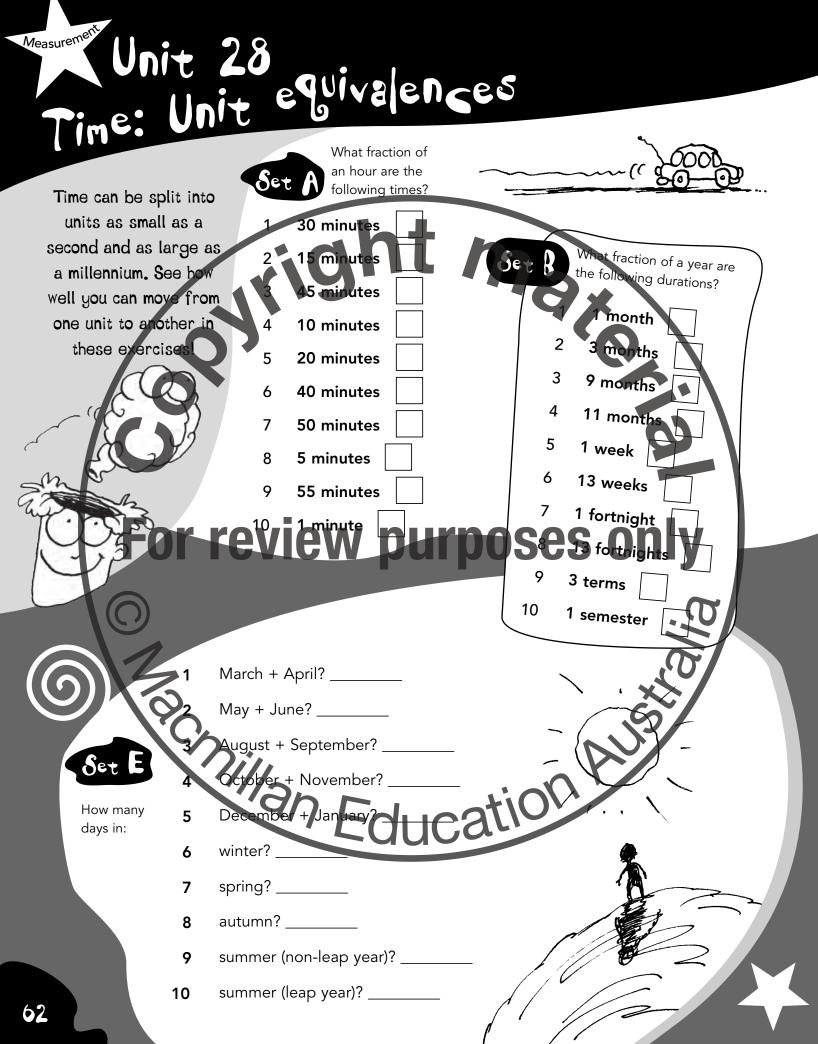


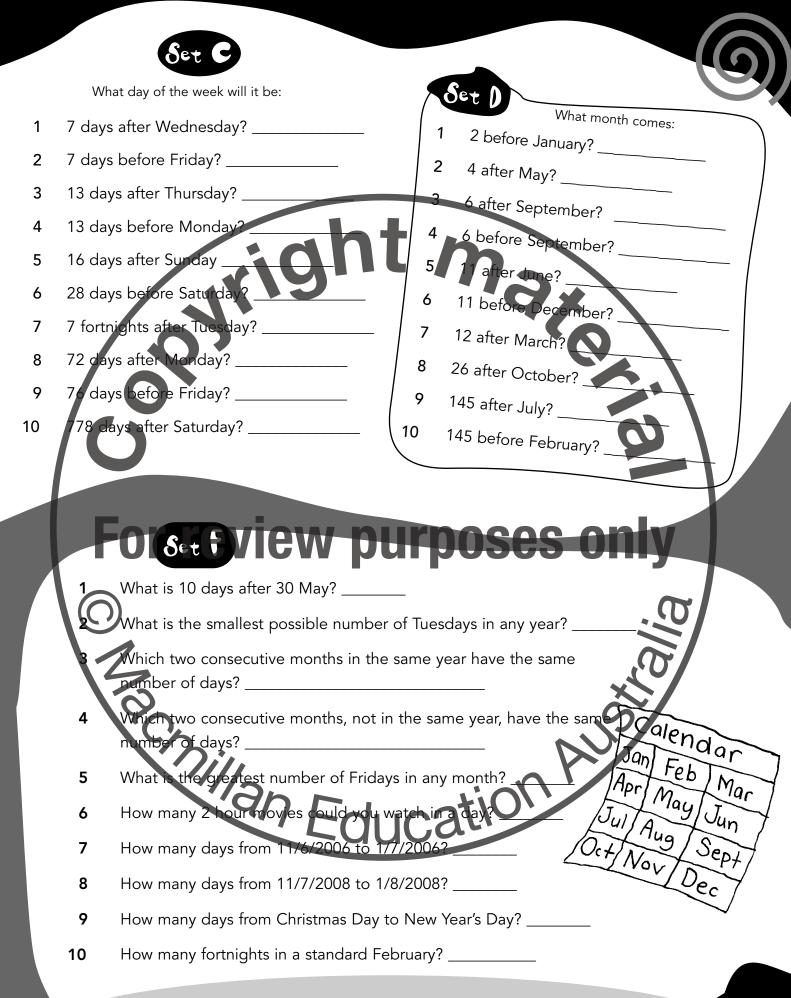
NSW: Measurement MS3.3; Qld: Measurement M4.1; Vic: Measuring and estimating 4.1; WA: Measurement M4.1; SA: Measurement 3.5



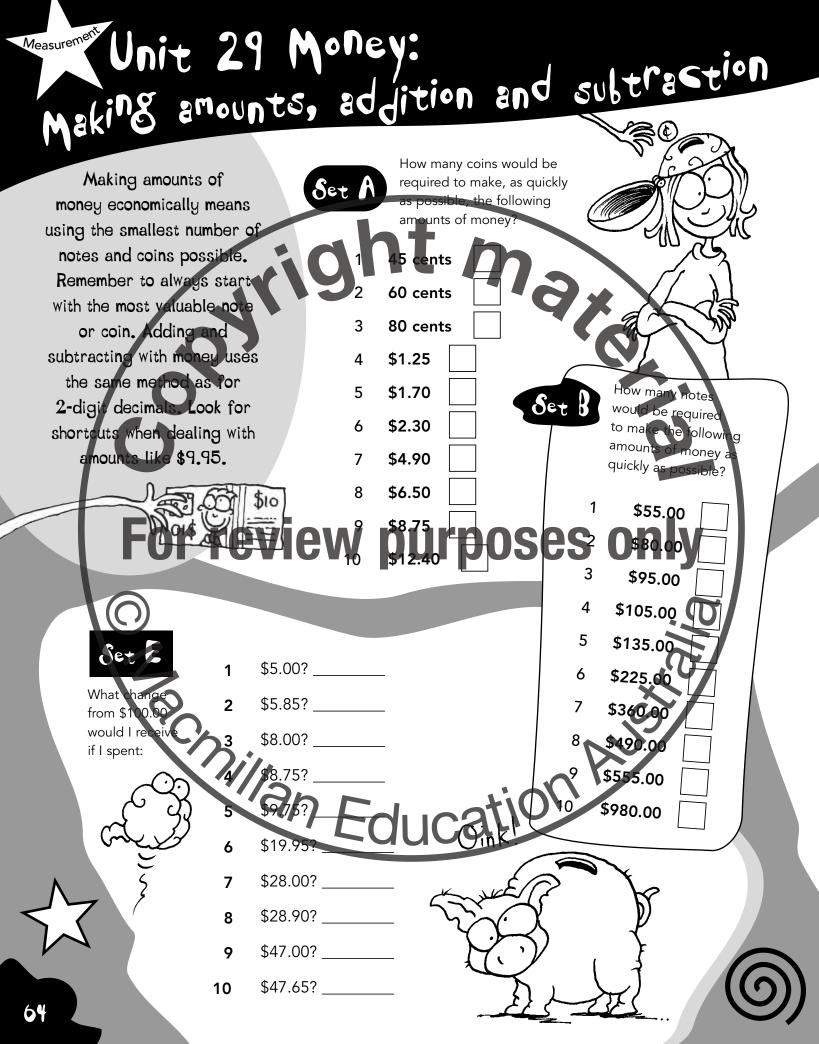


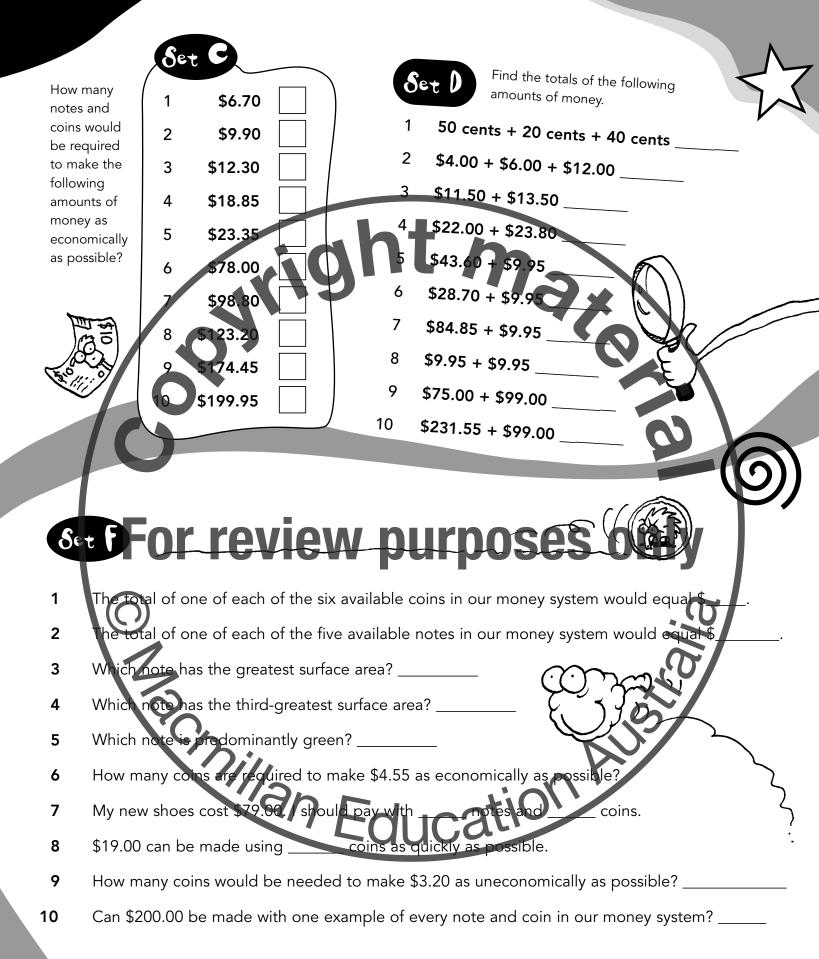
Measurement





SW: Measurement MS3.5; Qld: Measurement M4.1; Vic: Measurement—Time 4.3; WA: Measurement M4.1; SA: Measurement 3.5.





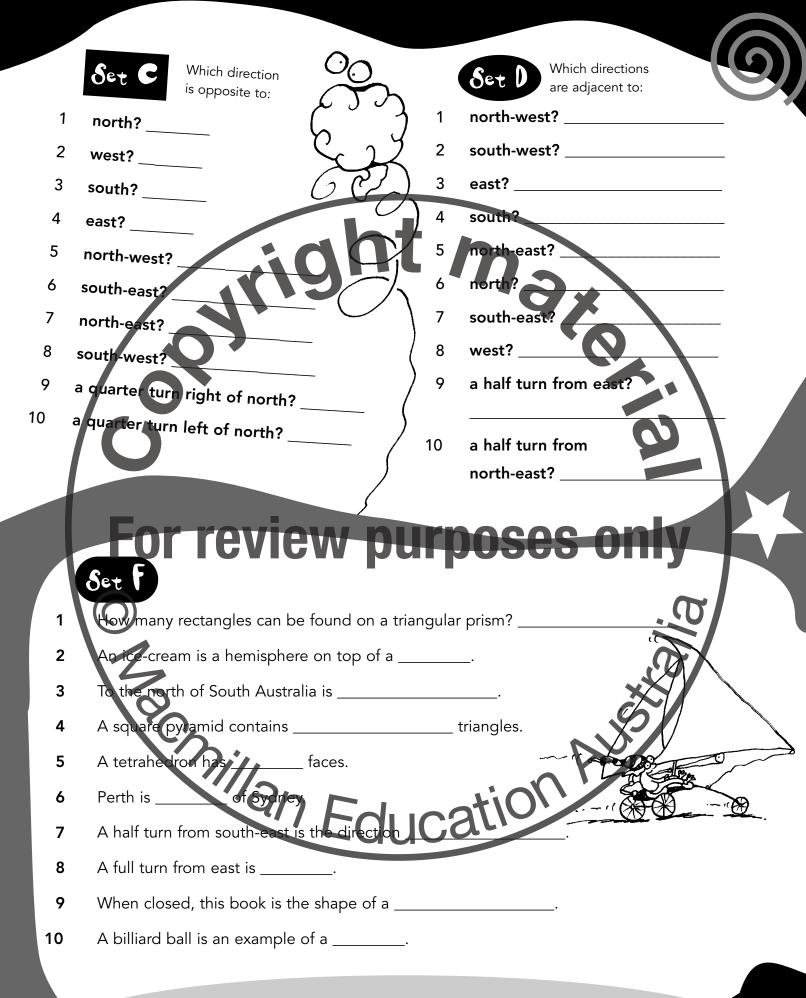
20 and 30: ProPerties and direstions

Space

Unit 30

to make the following polyhedra?

Two-dimensional shapes, called polygons, are flat square pyramid 2 and can be drawn easily on rectangular prism a piece of paper. Threecylinder dimensional shapes, called polyhedra, have depth and 5 hexagonal pyramid can be picked up. 6 triangular prism 7 hexagonal prism North, south, east and west are the four main points of 8 pentagonal prism _____ the compass with directions pentagonal pyramid 9 between these points 10 tetrahedron Set referred to by their joined names, such 6 cube square pyramid ____ 1 as north-west and C 7 Opentagonal pyramid cylinder 🔼 south-east. How many 3 tetrahedron ____ pentagonal prism polygons are 9 hexagonal pyramid 4 rectangular prism _____ needed to make the following triangular prism _____ hexagonal prism 5 10 polyhedra? north to west? _____ 1 south to north? Set 2 east to west? ____ How much of a turn, and in which south to east? direction, is the orth to south fastest way from: 5 north to east? 6 south to west? _____ 7 east to south? _____ 8 east to north? 9 north-west to south-east? 10 66



Concepts of likelihood

The likelihood of something happening is the chance of it occurring. This can be said using words such as 'possible' or 'certain'. It can also be said as a fraction, like 3/10, which we read as '3 out of 10' or as a decimal such as a 0.3 chance.

Unit S

Chance and

Data

For these sets of questions, imagine that you have 30 cards numbered 1 to 30. Cards 1 to 10 are red, cards 11 to 20 are white and cards 21 to 30 are blue. Shuffle the cards and

have them face down.



5

6

7

8

9

cards are:

bigger than 12?

between 13 and

28 inclusive?

blue and even?

white and bigger

than 20?

red and even?

smaller than 25?

How many



Ddd

lue

Black

1 to 30

15 to 2

Δ

5

6

7

8

10

Is the chance certain (C), likely (L), 50/50, unlikely (U) or impossible (I) of drawing a card that is:

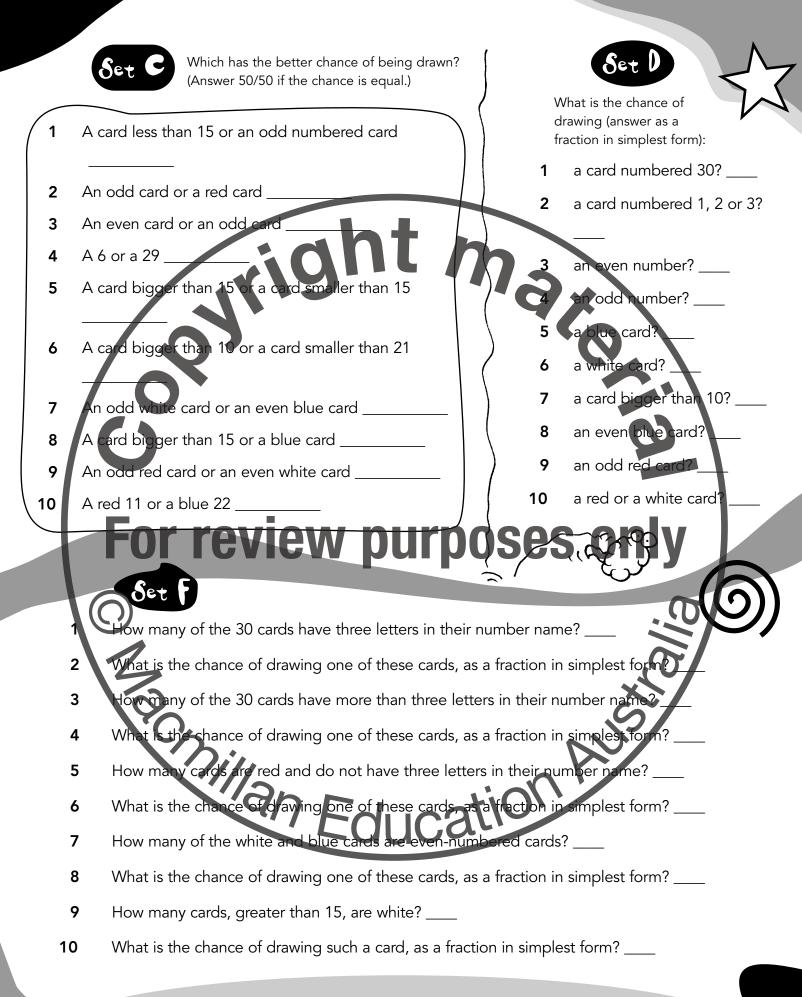
or red

Answer 'true' or 'false' to the following statements.

1 The chance of drawing a red card is the same as for a blue card. _

Set

- 2 The chance of drawing an even card is the same as for a white card. _
- 3 The chance of drawing an odd card is the same as for a blue or red card.
- 4 The chance of drawing a red card is the same as for a red even card.
- 5 The chance of drawing an odd card, as a decimal, is 0.5.
- 6 The chance of drawing a card under 30 is certain.
- 7 The chance of drawing a 1, 3, 4, 7 or 9 white card is zero.
- 8 The chance of drawing a 1, 2, 3, 4 or 30 is the same as for drawing a 1, 2, 3, 4 or 29.
- 9 The chance of drawing an 8, 9 or 10 card, as a decimal, is 0.1.
- **10** The chance of drawing a 15 card is only half the chance of drawing a 30 card.



NSW: Number NS3.5; Qld: Chance and data CD4.1; Vic: Chance 4.3; WA: Chance and data C&D4.1; SA: Chance 3.3

Revision Unit 32 Pevision: All sorts Set Here are some Set B 50 + 131 revision questions 37 + 21 that will cover all of 30 x 50 the things you have worked through , 2, 3, 6 are factors of 67 – 25 = since Unit L 3 Double 26 9 x 6 = Good luck! Half of 83 4 12 x 9 = 6 (/ 6 and six zeroe 5 45 ÷ 5 = 7 23,507 to nearest 6 $121 \div 11 =$ 8 Find $\frac{1}{3}$ of 27 ____ 7 240 ÷ 12 = 9 $\frac{12}{48}$ in simplest form 8 10th multiple 10 13 **7E I** Find the lowest common multiple of 4 and 6. 1 2 How many factors does 13 have? _____ Double 12 and double it again. What is half of half of 60? ____ Set hat is one less than one hundred thousand? 5

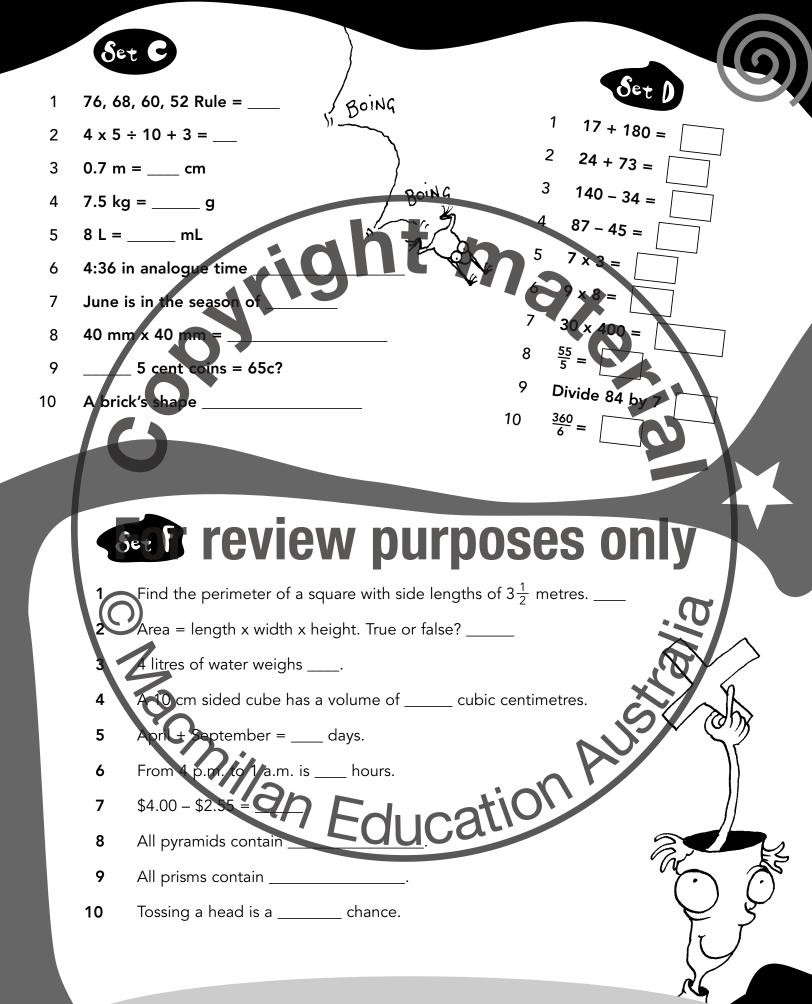
7 $\frac{1}{4}$ equals the decimal _____.

Round 78 498 to the net

8 0.8 – 0.4 + 0.2 = ____

6

- **9** Find the 7th term: 1, 2, 4, 8, . . . ____
- **10** 7 x 7 11 + 12 = ____



Glossary

Add A prefix meaning 5 To group together Penta Adjacent Next to A polygon with 5 sides Pentagon Altogether The answer to an addition problem Perimeter The length of the boundary of a shape Analogue clock A sweep-hand clock Polygon A 2D shape with many corners Autumn March, April, May Polyhedra A 3D shape with many faces Bi A prefix meaning 2 Prime A number with just two factors Centi A prefix meaning 1/100 Product The answer to a multiplication Centimetre 100th of a met problem Century 100 year Quad A prefix meaning 4 A number with m Composite Quadrilateral A 4-sided shape Day hours To multiply by 4 Quadruple A prefix mear Deca ing Quotient The result of a division question Decade A period of 10 years Having the ame side ler Regular (shape) aths Decago 0-sided shape Remainder What is left ow after a division sum Difference far one number is away from has been completed nother number Remove To take away ivide plit up into equal pieces or to A 4-sided figure with equal sides but Rhombus no right angles Dodecagon A shape with 12 sides **Right angle** An L-shaped angle of 0 degrees Double To add a number onto itself Round To take a number to arest Dozen 12 10, 100, 1000 etc. Duration How long something lasts Rule The pattern in a sequence Edge A boundary A quarter of a year Season Equilateral Sides the same length One-sixtieth of a minute Second difference Equal Subtraction sums with the same answer, Half a year at emester e 12 3/and A side of a 3D sh n¢ er pa Face Share lo divide into What divides into a number Factor To write a fraction using the smalles Simplest form Fortnight 14 days numbers possible The standard unit for mass To find the answer to a question Solve Counting in lots los é Sphere A 3D shape like a ball Halve Divide into two equal parts September, October, November Spring Hemisphere Half a sphere, like a scoop of ice-cream Subtract To take away Hendecagon A shape with 11 sides Sum The answer to an addition problem Heptagon A shape with 7 sides Summer December, January, Februar shape with 6 sides Hexagon Term Each member of a se quer 0 minutes Hou Term One quarter of a year at school Kilo fix meaning 1000 Tessellate To fit together without leaving gaps Kilogram .000 grar Times Groups d Kilometre 0 me Total addition problem nswer to Leap year eaning 3 orefix m Litre The standar or capacity ers are apart To multiply by 3 How far two nun Margin times, or to double Metre The standard unit of lengt The corner where lines meet on 2D Millennium 1000 years or 3D shapes Millilitre One-thousandth of a litre Week 7 days Minute One-sixtieth of an hour Winter June, July, August Month One-twelfth of a year Year 365 days The answers to times tables Multiples Multiply Count groups A shape with 9 sides Nonagon Octa A prefix meaning 8 A shape with 8 sides Octagon

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