#### Ms MARTIN'S YEAR 5 MATHS GROUP

TERM 4 WEEK 3

### Zoom Link Maths Zoom Meeting Tuesday 12:30pm and Friday 12:30pm

https://nsweducation.zoom.us/j/6510791704?pwd=bTRoVkVoVTJTTTIRbllrTjhzVWY0UT09

#### Meeting ID: 651 079 1704 Passcode: 718583.

## 1. <u>Speedy Starters.</u> Complete a Speedy starter card to start each maths lesson this week.

Attached are the "Speedy Starter" problems. Complete one Speedy Starter card each day. There are two questions on each card. I.e., This means you will need to complete both questions on the one card per day.

## 2. Tables Speed Test. Week 3 Speed Times Tables

Start with your tables Speed Test. Complete the Speed tables attached. Complete all columns. Time yourself. Write the time for each column at the bottom of each column. Once you have completed all columns, work out your average time for the 3 columns. Write your average time for the day on the back on the page.

## 3. Stepping Stones Text

Page 230 and 231: Division with Remainders - Common Fractions

Page 232 and 233: Division with Remainders – Decimal Fractions

# 4. Worksheets - Complete the two student worksheets (attached)

<u>Square Pattern</u>

Magic Squares

\*These pages are copied and attached for you.

### 5. <u>Maths Text pages ("Advanced primary maths" book)</u>

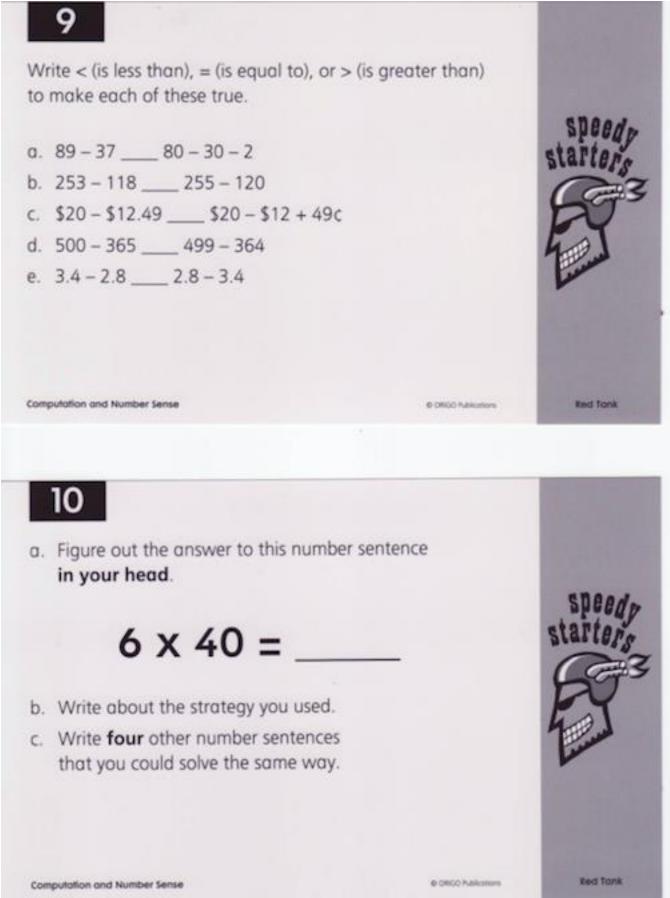
Complete a page each day.

Page 130. Super Problem Solving

Page 134. Super Problem Solving

# <u>6.</u> Optional: Complete activities in Prodigy Maths or Mathletics - on this week's topics of division, data, measuring and converting millilitres.

If you need your login details just email Ms Martin for these.

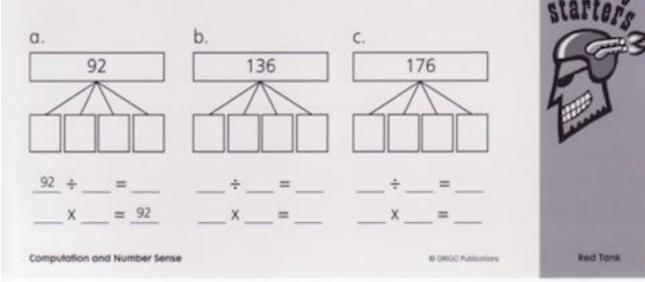


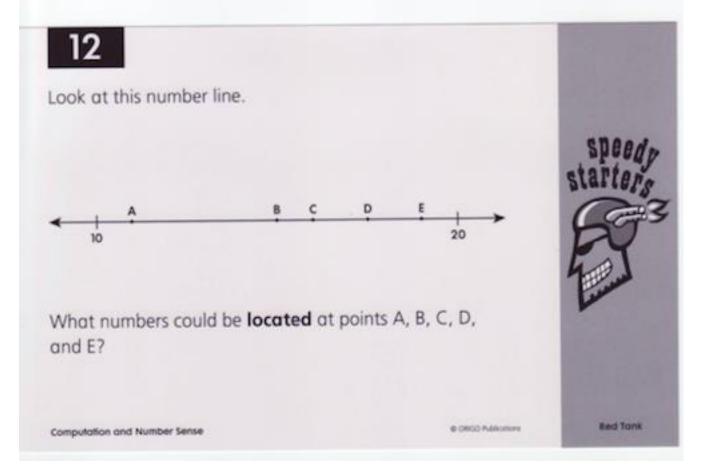
2.

11

Imagine you divided each of these amounts into **four equal** groups.

Write two number sentences to match each one.





	1			_
	8 × 7=	3cm + 4cm + 6cm=	14 3 = 17	
	5 x 3=	Double 12	3 6 = 18	
	6 x 6=	Halve 60	14 5=9	
	9 x 9=	Quarter of 12	21 7=3	
	8 x 6=	Third of 9	21 6 = 126	
	4 x 8=	Fifth of 25	21 2 = 42	_
	12 × 7=	20 cm = mm	42 7=6	
	3 x 8=	10 mm = cm	42 6 = 7	_
	8 x 0=	6 multiplied by 7=	42 5 = 47	_
	10 × 8=	66 divided by 11=	56 50 = 6	
	7 × 1000=	Product of 4 and 3=	56 6=50	-
	100 × 87=	Sum of 17 and 19=	56 5 = 61	
	8 × 40=	Add 12 to 23=	49 7=7	
	8 × 20=	Subtract 18 from 26	4 6 = 24	
	8 × 50=	Halve 72	49 5 = 44	
/15	Total: /15	Total: /15	Total: /15	_
				÷

Term 4 Week 3 Speed Test

2. SPEED TABLES

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6 × 11=		5 x 3=		Double 12	m	6 = 18	
6 x 2 x 4=		6 x 6=		Halve 60	14	5 = 9	
6 x 3 x 2=		9 x 9=		Quarter of 12	21	7 = 3	
6 x 12=		8 x 6=		Third of 9	21	6 = 126	
=9 x 6=		4 x 8=		Fifth of 25	21	2 = 42	
0 x 6=		12 × 7=		20 cm = mm	42	7 = 6	
10 × 10=		3 x 8=		10 mm = cm	42	6 = 7	
4 × 100=		8 × 0=		6 multiplied by 7=	42	5 = 47	
4 × 1000=		10 × 8=		66 divided by 11=	56	50 = 6	
6 x 7=		7 × 1000=		Product of 4 and 3=	56	6 = 50	
6 x 5=		100 × 87=		Sum of 17 and 19=	56	5 = 61	
6 x 6=		8 × 40=		Add 12 to 23=	49	7 = 7	
15 x 6=		8 × 20=		Subtract 18 from 26	4	6 = 24	
13 x 6=		8 × 50=		Halve 72	49	5 = 44	
Total:	/15	Total:	/15	Total: /15	Total:	al:	/15

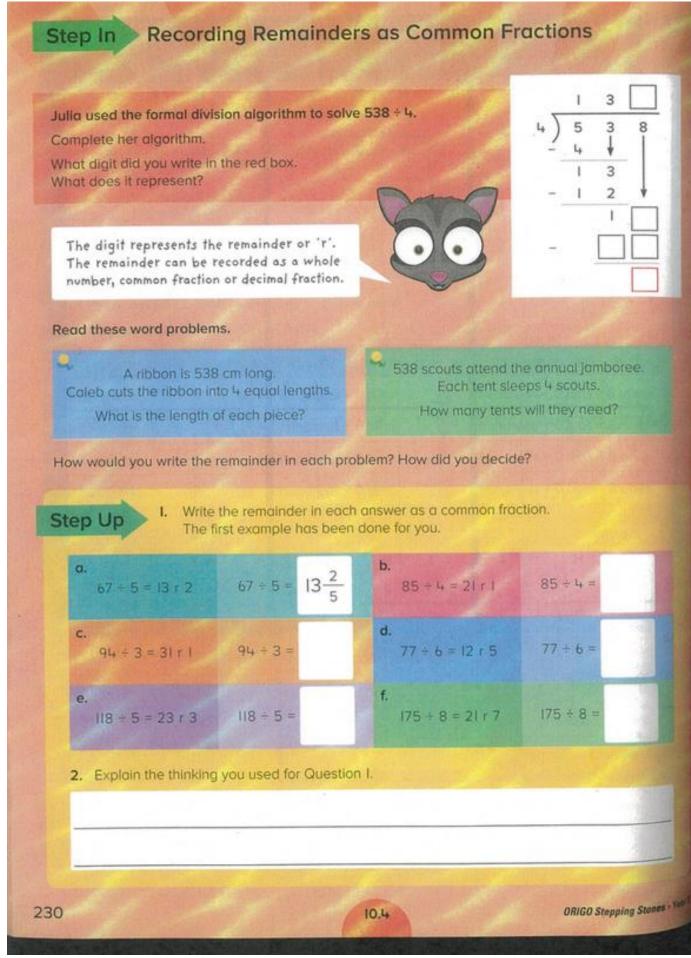
Term 4 Week 3 Speed Test

6 x 6=		8 × 7=		3cm + 4cm + 6cm=		14 3 = 17	
6 × 11=		5 x 3=		Double 12	e	6 = 18	
6 x 2 x 4=		6 x 6=		Halve 60	-	14 5=9	
6 x 3 x 2=		9 x 9=		Quarter of 12	~	21 7=3	
6 x 12=		8 x 6=		Third of 9	N	21 6 = 126	
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0 x 6=		12 x 7=		20 cm = mm	4	42 7=6	
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6 x 6=		8 x 40=		Add 12 to 23=	4	49 7=7	
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13 x 6=		8 x 50=		Halve 72	4	49 5 = 44	
Total:	/15	Total:	/15	Total: /15	F	Total:	/15

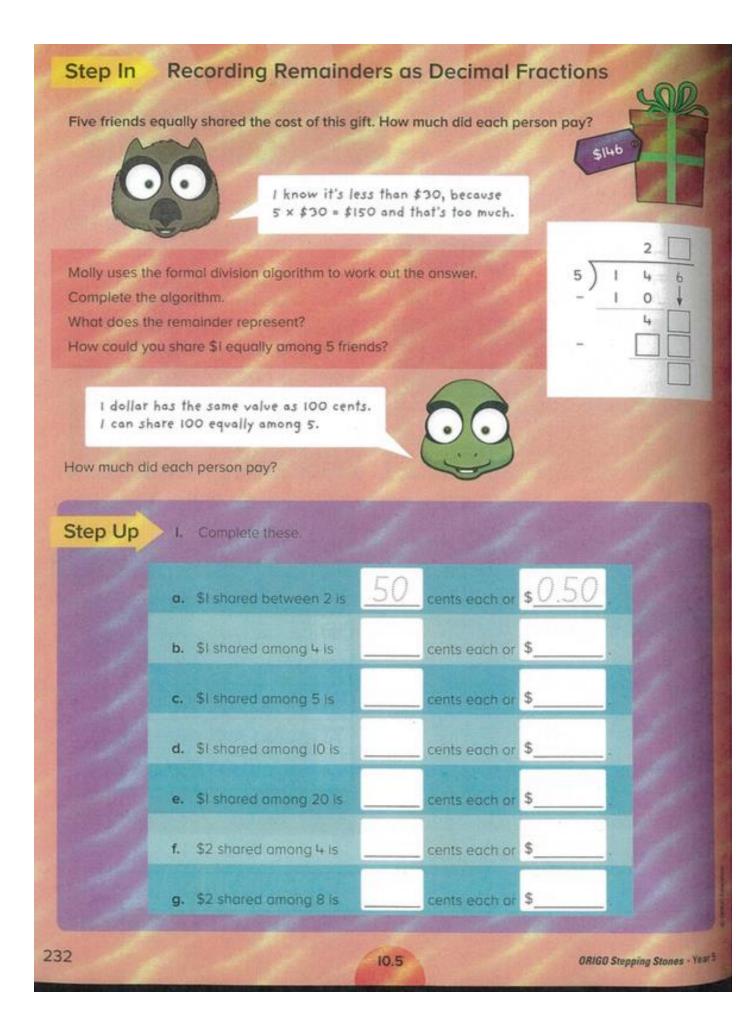
Term 4 Week 3 Speed Test

6 x 6=		8 x 7=		3cm + 4cm + 6cm=	14	3 = 17	
6 × 11=		5 x 3=		Double 12	e	6 = 18	
6 x 2 x 4=		6 x 6=		Halve 60	14	5 = 9	
6 x 3 x 2=		9 x 9=		Quarter of 12	21	7 = 3	
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13 x 6=		8 × 50=		Halve 72	49	5 = 44	
Total:	/15	Total:	/15	Total: /15	۴	Total:	/15

Term 4 Week 3 Speed Test



Solve these word problems. Express the answ Three tennis balls fit in a can. How many cans are needed for 160 tennis balls?	<li>b. 182 stude Each cat How ma</li>	ents a bin sie	re goi eps 8	ng on stude	scho		np.
	2						
cons				_			cabins
The movie runs for 155 minutes. Alexa paused the movie halfway through. How many minutes had passed before Alexa pressed pause?	d. The driv is 178 kinexactly they tro	m. His $\frac{1}{4}$ of t	dad s	says t	hat th	ey ar	e
							km
minutes			1007	-17			kn
	77	121	122	123	124	125	kn
p Ahead Look ot this number chart.	120	121	122	123	124	125	
p Ahead Look ot this number chart.	120 127	128	129	130			126
Colour blue numbers that leave no remainder when divided by 6.     Colour red numbers that leave	120 127 134	128 135	129	130	131	132 139	126 133
Colour red numbers that leave or remainder when divided by 6.     Colour red numbers that leave or remainder of I when divided by 6.     Colour green numbers that leave	120 127 134 141	128 135	129 136 143	130 137	131 138 145	132 139	126 133 140
<ul> <li>Colour blue numbers that leave no remainder when divided by 6.</li> <li>Colour red numbers that leave a remainder of 1 when divided by 6.</li> <li>Colour green numbers that leave a remainder of 3 when divided by 6.</li> </ul>	120 127 134 141 148	128 135 142 .149	129 136 143 150	130 137 144 151	131 138 145	132 139 146	126 133 140 147
Colour red numbers that leave or remainder when divided by 6.     Colour red numbers that leave or remainder of I when divided by 6.     Colour green numbers that leave	120 127 134 141 148	128 135 142 .149	129 136 143 150	130 137 144 151	131 138 145	132 139 146	126 133 140 147

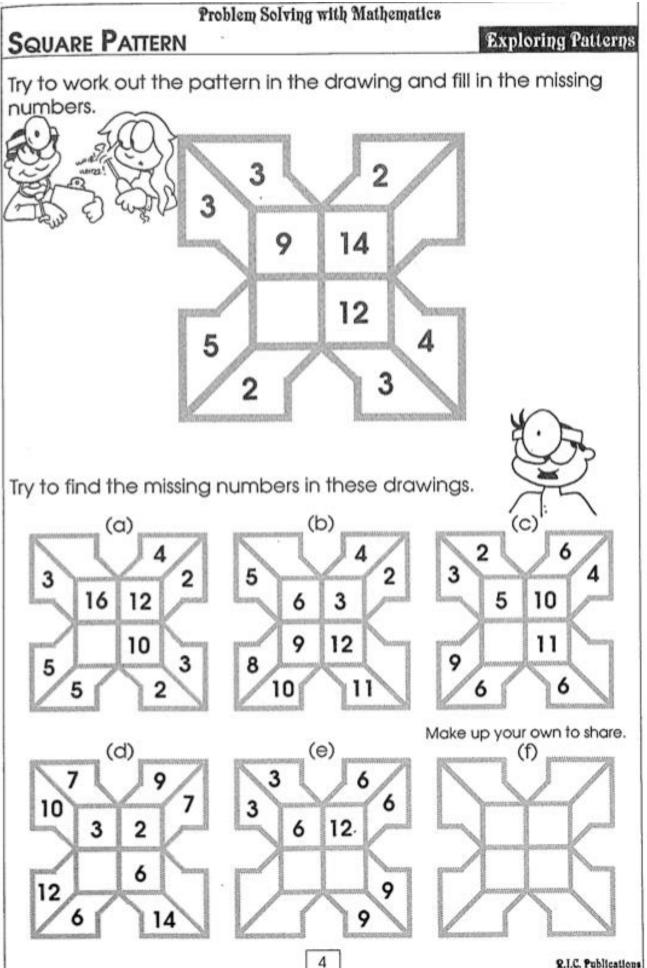


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			cartons		\$	e	ach month
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p Aheo 1. 122 ÷ 4	ad that	letter r is ti	help you st unts left ove	r. Some rows h tion for remain	ave been	o express o completed f	nswers
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1. 122 ÷ 4	ad that The 30 r 2	have amore letter r is to Answer $30\frac{2}{4}$	help you st unts left ove te abbreviat 30.5	r. Some rows h tion for remain b. 208 ÷ 5	iave been ider.	o express o completed f	nswers or you
122 ÷ 4 123 ÷ 4	30 r 2 30 r 3	have amore letter r is to Answer $30\frac{2}{t_4}$ $30\frac{3}{t_4}$	help you st unts left ove te obbreviat 30.5 30.75	tion for remain b. 208 ÷ 5 209 ÷ 5	iave been ider.	o express o completed f	nswers or you

10.5

TGO Stepping Stones - Year 5

# 4. STUDENT WORKSHEETS



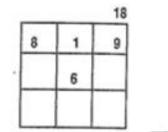
Q.I.C. Publications

General Mathematics Related Activities:

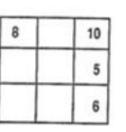
# **Magic Squares**

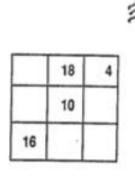
The first magic square discovered appeared in a Chinese book written before 1000 BC. The numbers in a magic square add up to the same amount if added across, down or diagonally. EXAMPLE: Write the magic number above the square.

		15
4	9	2
3	5	7
8	1	6

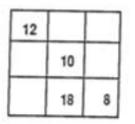


		12
0	4	8
		1



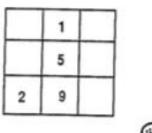


3		
	4	
	0	5



	11	
	7	
Γ	3	10

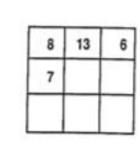
		7
6	4	2



10

14





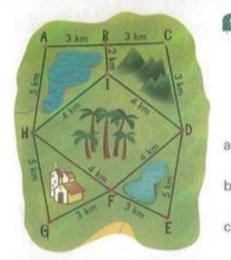
3		
7	2	9

_	0	
2	10	3

16	11	12
14		-

#### 5. ADVANCED PRIMARY MATHS TEXT

# Super problem solving



**UNIT**28

## 9 Taxi Taxi

Mr Bob drives tourists around his tropical island. He doesn't have a booking fee but he charges each passenger a flat \$3.50 at the start of the journey. He also charges \$3.25 per kilometre travelled regardless of the number of passengers.

Calculate the cost of each taxi ride.

- The Hook family of 4 travelled from A to D via B and I.
- b The Wendy family of 3 travelled from D to H via E, F and G.
- c The Thomas family of 2 travelled from E to B via F, G, H and I.

### 10 Solve the problems.

a	Mr Lim paid \$35 467 for a new car plus \$2307 for air-conditioning and \$1563 for power steering. What was the car's total cost?	<ul> <li>c Jack saved \$154 per month for 16 months. If he had already saved \$1285, what would be his total savings?</li> </ul>
b	This season the Wanderers scored 48 tries worth 4 points and 89 goals worth 2 points. If they scored 546 points last season, how many points less did they score this year?	d Mr Grant passed away and left <sup>2</sup> / <sub>3</sub> of his money to his children and <sup>3</sup> / <sub>4</sub> of what remained to his wife. The rest went to charity. How much went to charity if he left a total of \$1260?

# WEEKLY TESTER

Children .

130

Mr and Mrs Hughes, their children and some pensioner relatives visited the zoo. How many children and pensioners visited the zoo if the total amount for the zoo entry for all of them was \$76?

b

Pensioners

ZOO ENTRY Adults \$17.50 Children \$6.50 Pensioners \$7.50



\$

# OPEN-ENDED CHALLENGER

Mr Longbottom, the Year 5 teacher, said that the answer to the problem was 15 r 4. If Mr Longbottom's problem was about lollies being shared between friends, how many lollies might there have been and how many friends?

> Solve problems involving multiplication of large numbers by one- or two-digit numbers using efficient mental and written strategies and appropriate digital technologies (ACMNA100)

	<sup>a</sup> 36 3 12					
-	1 3 4	4	3 4	3 4	5	5
	Solve the p	roblems. 1256 passengers on		d Len's step	is 0.8 m long. How	-
8	'ship and 29	98 crew. How many there on the ship?	0	many step	s would Len have to k a distance of 10.4 m	2
b	bus plus \$3	aid \$20 each for the 36 each for the camp the total cost for s?		made 8 sto	relled 1088 km. If it ops, what would be the stance between stops?	
С	the last tw How many month if th	for LIVE magazine for o months were 34 6 were sold in the firs here were 1200 more a second month?	78. st	athletics tr	24 laps of the 400 m ack every day of his life ould Tom run in 4 full unning?	L.
11	Which dest Sydney and • They aver	s Simpson went on ination did they rea d averaged the follo raged 70 km/h for th	ich if they lef wing speed: e first hour	t \$?	and the second se	210 km 300 km
11	Which dest Sydney and They aver They aver They trav	ination did they rea d averaged the follo raged 70 km/h for th raged 107 km/h for th elled at 108 km/h for elled at 102 km/h for	ich if they lef wing speed e first hour he next 2 hou the next 20 the next 40	t s? minutes	Nelson Bay Forster 3 Kow 35	210 km 800 km 6 km 398 km
11	Which dest Sydney and They aver They aver They trav They trav	ination did they rea d averaged the follo raged 70 km/h for the raged 107 km/h for the elled at 108 km/h for elled at 102 km/h for elled at 60 km/h for	ich if they lef wing speed e first hour he next 2 hou the next 20 the next 40 10 minutes.	t s? minutes minutes	Nelson Bay Forster 3 Kew 35 Port Macquarie	210 km 800 km 6 km 398 km
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# **ANSWERS – SUPER PROBLEM SOLVING**

Part 11	
n 0735 c 11	56 6 2236
b 1540 d 15	165
Part 12	
	c 40
	C 40
Part 13	
a 8 cm <sup>2</sup>	b 10 cm <sup>2</sup>
Part 14	
Yes	
UNIT 28	
UNIT LINE	
187 million 187 million	
1	
a 0.43 d 0.25	g 0.7   0.875
b 0.08 e 0.4	h 0.125 k 0.375
c 0.8 f 0.75	i 0.8   0.6
2	
	d 55 r 5 or 55 <sup>5</sup>
b 61 r 3 or 614	e 155 r 2 or 155
c 122 r 3 or 122	
3	
	2.375 e 155.4
a 151.2 c 12 b 61.75 d 55	1.070 0 100.4
	0.020
4	
a 449.375	1 353.6666666
b 372.625	g 1211.166666
c 212.875	h 213.1428571
d 353.3333333	1 432 22222
	1 435.22222
e 1123.625	
5	
a 90.75	c 586.25
b 113.40	d 180.625
6	1. 10 mm
a 4 c 4	e 90 g 1
b3 d5	15 h 2
7	
100 1000	1 30-6
a 10% of 500	1 30-0
b 75+3	g 90-9
120 05	
c 150 - 25	h 100 - 77
d 25×7	1 21×4
-	and the second s
e 3×99	1 17 + 30
8	and the second
a 5 c 8	e 100 g 17
b 8 d 16	1 7
9	
a strand and a strand strand strand	52.50 c \$62.25
	10.00 0.005.00
10	
a \$39.337	c \$3749
b 176	d \$105
11	
a 4 children	b 2 pensioners
12	
Hands on. Two examp	oles below:
• 79 Iollies and 5 frier	
<ul> <li>139 Iollies and 9 frie</li> </ul>	
<ul> <li>120 Idnies and 3 ma</li> </ul>	in the second

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a F b T 15 Hanna N UNI 1 a 2 b 3 c 2	rue ds on. lo T 29 7	d Fr (Possil b Ye	ilse f	False	g b		
a F b T 15 Hani a N UNI 1 a 2 b 3 c 2	rue ds on. lo T 29 7	d Fr (Possil b Ye	ilse f	False	g h		
15 Hani a M UNI 1 a 2 b 3 c 2	ds on. lo T 29	(Possil b Yi	ble ansv	vors)	b		
	10 T 29	b Ye					72 600
	10 T 29	b Ye					6 12 20 30
	7 29		13 0	: No			2 3 4 4 5 6
2 3 2	7	1			d	Yes	10
2 3							a 1554 d 13 b \$1680 e 136 km
2 3							a 16 739 f 268 800 m
2	ė.	d 1		1 45	1	145	11 Dent Maxematic
		a 12		28	k	12	Port Macquarie 12
100	3	1 16	5 1	25	1	17	Hands on. On example below:
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			ddition. 30 beca:	use all br	acke	t work	Tues. 6 hr 30 min. 10:10 am 4:40
	done						Thur. 7 hr 23 min. 8:30 am 3:57
			33 beca	use all br	acker	t work	Sat. 8 hr 57 min. 7:45 am 4:42
1		< 7 = 3	34 beca	use multi	plica	tion is	13 • 🔽 • 📐 • 🖵 • ГL
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starts starts a	100-100	h 2/10 2/12	1 e e e e e e e e e e e e e e e e e e e		2 12	4 410 410 810 8[2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
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starts starts a	100-100	h 10/12 0 0 0 1	1 e e e e e e e e e e e e e e e e e e e		2 12	4 410 410 810 8[2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
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