## 

NA	ME		STEP IT UP! (9)				
	ADDITION & SUBTRACTION	ON	MULTIPLICATION É DIVISION				
ATHS		37 = 74 $42 - 9 = 334 = 28$ $63 - 8 = 55$	$10 \times 5 = 50$ $10 \times 15 = 150$ $12 \div 2 = 6$ $10 \times 2 = 20$ $10 \times 20 = 200$ $8 \div 2 = 4$				
TAL N		6 = 52 $55 - 7 = 48$	$10 \times 2 = 20$ $10 \times 20 = 200$ $0 \div 2 = 10$ $10 \times 1 = 10$ $12 \times 10 = 120$ $20 \div 2 = 10$				
MEN	17 + 16 = 33 + 0 + 4 $10 + 14 = 24 21 + 2$		$10 \times 9 = 90   0  \times 10 = 100  16 \div 2 = 8$ $10 \times 3 = 30  10 \times  7  = 170  4 \div 2 = 2$				
	NUMBER É PLACE VALUE		MONEY É FINANCIAL MATHEMATICS				
	1 Subtract 210 from each		3 Work out the total cost.				
	67 342 67 132	48 196 <b>47 986</b>	• \$19.95 $\$19.95 + \$6 = \$25.95$ • \$6.75 $\$25.95 + 5c + 70c =$				
	71 824       71 614         18 562       18 352	12 894 <b>12 684</b> 37 203 <b>36 993</b>	• \$6.75 \$25.95 + 5c + 70c = \$26.70				
	40 690 <b>40 480</b> 56 110 <b>55 900</b>		•\$13.85 \$13.85 + \$14 = \$27.85				
	83 916 83 706	62 106 61 896	•\$14.65 \$27.85 + 15c + 50c = \$28.50				
Ş		to calculate the total mass.					
GEBRA	Fruit47 kgPasta26 kg	Nuts29 kgRice46 kg	<ul> <li>\$12.55</li> <li>\$12.55 + \$17 = \$29.55</li> <li>\$17.05</li> <li>\$29.55 + 5c =</li> </ul>				
é al	Meat 14 kg	Vegetables 25 kg	\$29.60				
	Fruit and Meat	Nuts and Rice	•\$34.75 <b>\$3</b> 4.75 + \$6 = \$40.75				
NUMBER	+14 +46		• \$6.75 \$40.75 + 25c + 50c =				
	61 kg 75 kg		\$ <del>41.50</del>				
	Vegetables and Meat Fruit and Pasta						
	25 47 +l4 +26		PATTERNS & ALGEBRA Write the unknown amounts.				
	<b>39</b> kg <b>73</b> kg						
	Rice and Pasta	Nuts and Vegetables	3.6 1.6 2 4.7 2.7 2				
	46 +26	29 +25					
	72	+25 51	1.4     3     4.4     3.9     2     5.9				

You can **count on** to work out the total cost. For example, when you see \$16.15 + \$13.95 *think* \$16.15 + 85c + \$13.10 or \$16.15 + \$13 + 95c.

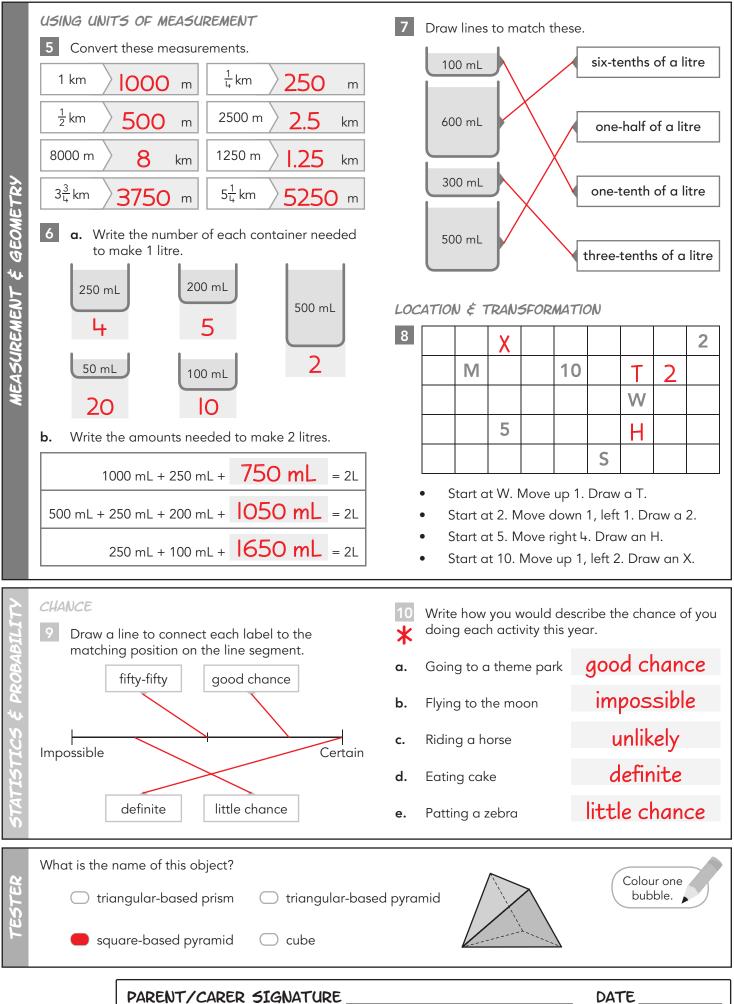
72

B

kg

kg

54

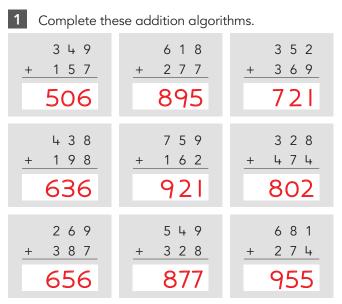


NUMBER & ALGEBRA

1

	ADDITION É SUBTRACTION			MULTIPLICATION & DIVISION			
НS	55 + 10 = <mark>65</mark>	<b>35</b> + 22 = 57	69 – 12 = <b>57</b>	6 × 2 = 12	30 ÷ 3 =	<b>33</b> ÷ 3 = 11	
MAT	67 + 12 = <b>79</b>	35 + <b>34</b> = 69	74 - 22 = <mark>52</mark>	2 × 2 = 4	6 ÷ 3 = 2	<b>60</b> ÷ 3 = 20	
TAL	84 + 21 = 105	<b>42</b> + 41 = 83	86 - 21 = <mark>65</mark>	3 × 2 = 6	12 ÷ 3 = 🕇	<b>45</b> ÷ 3 = 15	
NEN.	73 + 22 = <b>95</b>	33 + <b>33</b> = 66	93 - 11 = <mark>82</mark>	4 × 2 = <b>8</b>	18 ÷ 3 = 6	<b>75</b> ÷ 3 = 25	
	49 + 11 = 60	62 + <mark>62</mark> = 124	55 – 10 = <mark>45</mark>	2 × 8 = <b>6</b>	27 ÷ 3 = 9	<b>36</b> ÷ 3 = 12	

NUMBER & PLACE VALUE



2 Work out the difference. Record the steps you use.

• \$469 • \$331 • \$278 • \$176 299 331 61 469 -200 -100 8 -6 131 293 369 -70 -70 61 \$ 293 \$ 53 299 • \$246 • \$394 • \$681 • \$522 681 291 522 282 -300 -200 -6 287 381 276 -90 -40 291 \$ 287 282 \$ 276

#### FRACTIONS & DECIMALS

- 3 Use all these digits. Write these numbers.
- The greatest number possible
- The least number possible
- A number as close as possible to 20

3	8	1		
8	3			
	3	8		
	8	3		

#### Look at the table. L.

Junior Athletics – Javelin						
Athlete	Distance (m)					
Seth	55.35					
James	68.19					
Clare	59.47					
Thomas	63.95					
Cassie	60.28					

Write the 5 throws in order from longest to shortest.

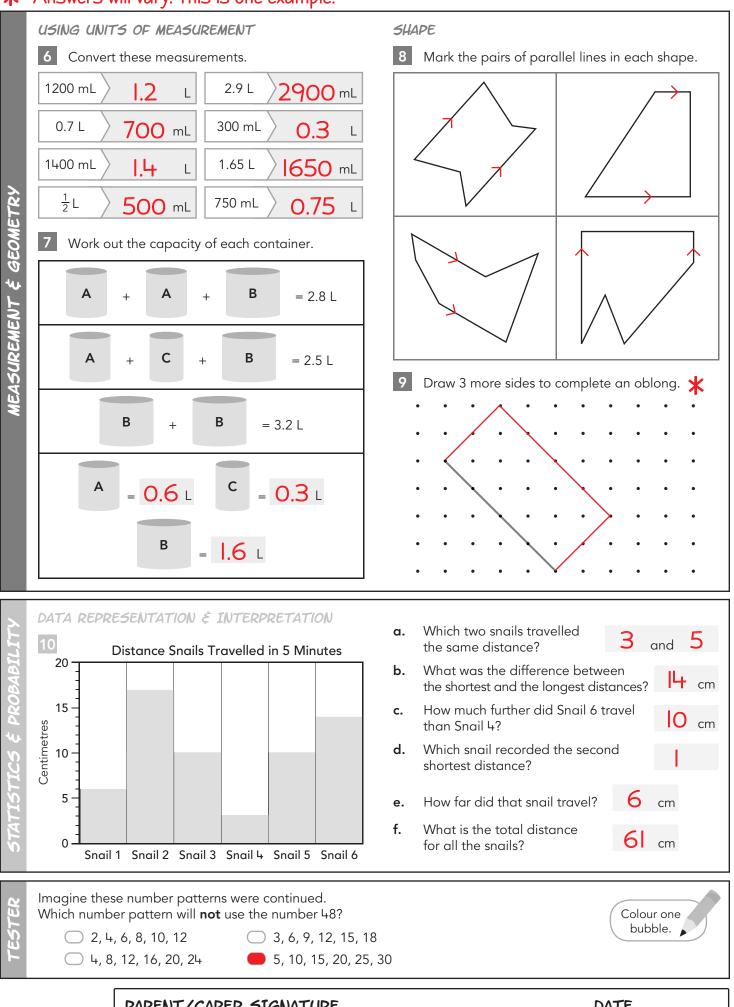
68.19 63.95 60.28 59.47 55.35

### MONEY & FINANCIAL MATHEMATICS

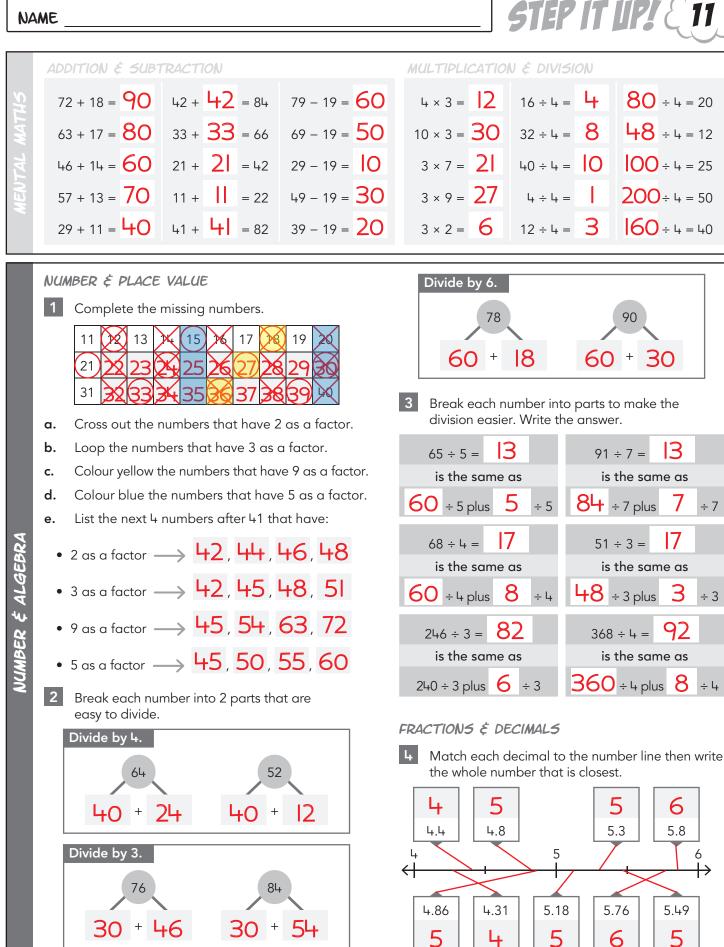
5 Calculate the change from \$50.



You can use a **count-on strategy** to calculate change. For example, when you see 20 - 5.95 think 5.95 + 5c is 6 and 6 + 14 is 20. The change is 14.05.



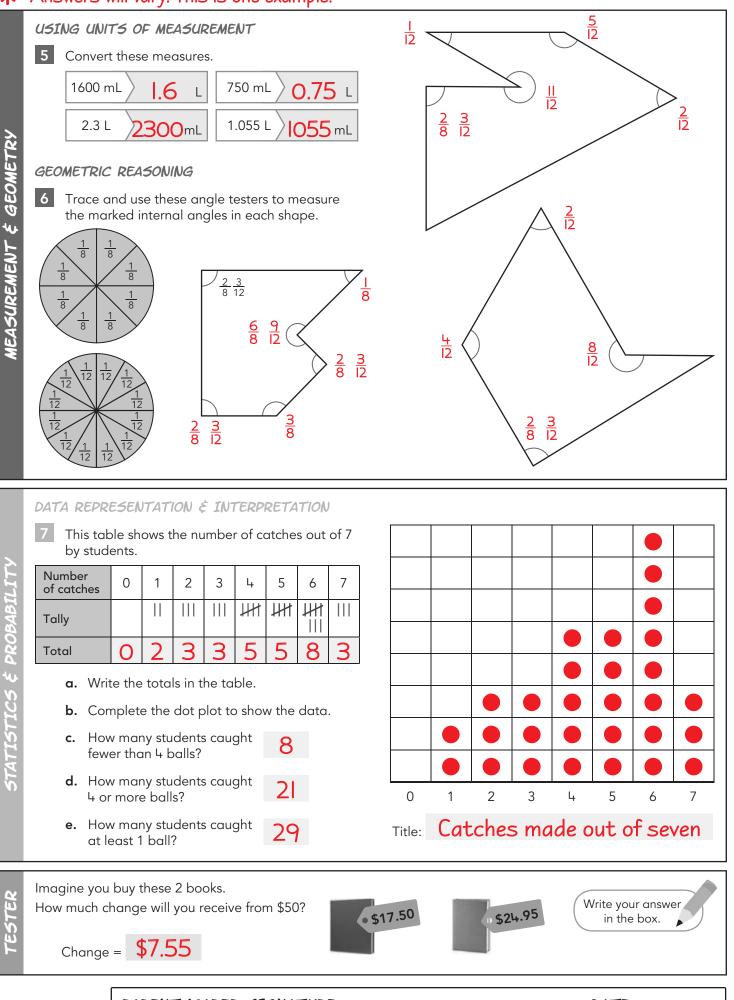
PARENT/CARER SIGNATURE



You can split the dividend to make a division problem easier. For example, when you see 76  $\div$  4 think 76 is the same as 40 + 36, so 40  $\div$  4 is 10 and 36  $\div$  4 is 9. The answer is 19.

5

6



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13 +

1

STEP IT UP! ( 12 ADDITION & SUBTRACTION MULTIPLICATION & DIVISION  $65 \div 5 = 13$ + 12 = 17 14 + 16 = 3030 - 13 = 7  $2 \times 4 = 8$ 15 ÷ 5 = 3 6 + 3 = 19 8 + 15 = **23**  $70 \div 5 = 14$ 40 - 18 = 22 $4 \times 9 = 36$  $45 \div 5 =$ 9 6 + 10 = 2620 - 8 = 2 5  $00 \div 5 = 20$ 11 + 15 = 265 × 4 = 20 25 ÷ 5 = = 24 9 + 19 = 28  $60 \div 5 = 12$ Ш 50 - 11 = 39 $4 \times 10 = 40$ 35 ÷ 5 = 2  $55 \div 5 = 11$ 15 + 15 = 3080 - 14 = 668 × 4 = **32** 7 + 6 = 23 $10 \div 5 =$ NUMBER & PLACE VALUE \$12.40 ÷ 4 = **\$3.10**  $\$35.25 \div 5 = \$7.05$ Write the next 4 multiples. is the same as is the same as 2, 4, 6, <mark>8</mark>, 10, 12, 14 2 is a factor  $\longrightarrow$ ÷4 plus 40 c ÷4  $35 \div 5$  plus  $25c \div 5$ \$ 2 3, 6, 9, <mark>12</mark>, <mark>15</mark>, <mark>18</mark>, <mark>2</mark>1 3 is a factor  $\longrightarrow$ \$48.54 ÷ 6 = \$8.09 \$42.35 ÷ 7 = \$6.05 4 is a factor  $\longrightarrow$  4, 8, 12, 16, 20, 24, 28 is the same as is the same as 5 is a factor  $\longrightarrow$  5, 10, 15, 20, 25, 30, 35 \$**48** ÷ 6 plus **54** c ÷ 6 \$42 ÷ 7 plus 35c ÷ 7 6 is a factor  $\longrightarrow$  6, 12, 18, 24, 30, 36, 42 Write the number in each box. 7 is a factor  $\longrightarrow$  7, 14, 21, 28, 35, 42, 49 18 500 17 900 17 600

19000

800

8

NUMBER È ALGEBRA

h

8 is a factor  $\longrightarrow$  8, 16, 24, 32, 40, 48, 56  $\leftarrow$ 18000 17000 9 is a factor  $\longrightarrow$  9, 18, 27, 36, 45, 54, 63 17800 200 2 Break each number into parts to make the division easier. Write the answers. FRACTIONS & DECIMALS 92 71 426 ÷ 6 = 276 ÷ 3 = 4 Each grid represents one whole. Write the shaded amount on the expander. is the same as is the same as Then write the decimal in words.  $240 \div 3 \text{ plus } 36 \div 3$ 420 ÷ 6 plus 6 ÷ 6 6 76 256 ÷ 4 = 64 228 ÷ 3 = is the same as is the same as 240 ÷ 4 plus 16  $20 \div 3 \text{ plus}$  18 ÷ 3 ÷4 53 375 ÷ 5 = 424 ÷ 8 = one and sixty-eight is the same as is the same as hundredths 350 ÷ 5 plus 25 ÷ 5 +00 ÷ 8 plus 24 ÷ 8

The **multiples** of a number are the numbers you say when you start at 0 and count in steps of that number. For example, the multiples of 4 are 4, 8, 12, 16, 20, 24, and so on.

USING UNITS OF MEASUREMENT

- 5 Complete the timetable to match these times.
  - Trains depart Rington every 18 minutes.
  - The train to Mawly takes 9 minutes.
  - The train from Mawly to Teetown takes 5 minutes.

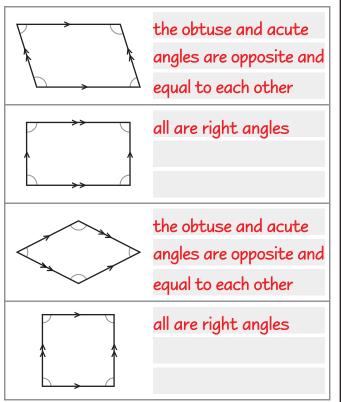
Trains from Rington to Teetown								
Rington	12:23	12:41	12:59	1:17	I:35			
Mawly	12:32	12:50	I:08	I:26	╎╎			
Teetown	12:37	12:55	I:I3	I:3I	1:49			

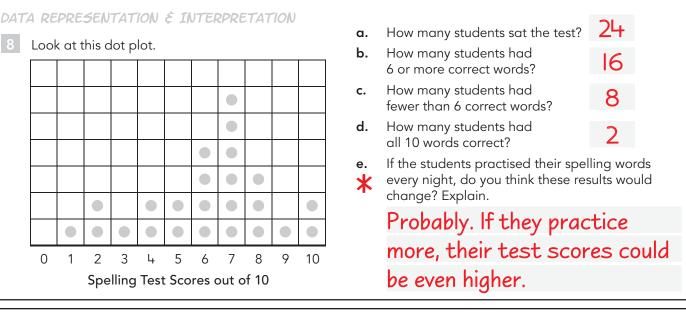
Look at the timetable above. Imagine all the trains were running exactly 15 minutes late. Complete this table to show the new train times.

Trains from Rington to Teetown								
Rington	12:38	12:56	1:14	I:32	l:50			
Mawly	12:47	I:05	I:23	1:41	1:59			
Teetown	12:52	I:IO	I:28	1:46	2:04			

GEOMETRIC REASONING

7 Compare the angles in each parallelogram (trace the angles if necessary). Write what you notice.





Imagine one marble is taken out of this bag without looking. Which statement is **not** true?

5

4

6 7

- Green is less likely than blue.
- Black is impossible.

Look at this dot plot.

2

3

0 1

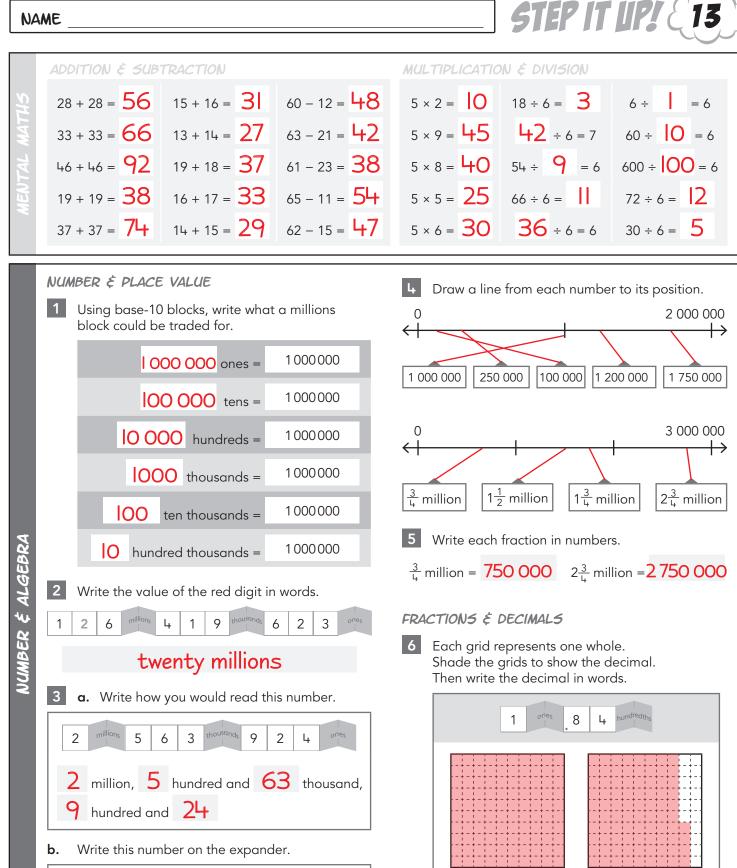
- Red is more likely than blue.
  - Green is less likely than yellow.



PARENT/CARER SIGNATURE

DATE

NEASUREMENT & GEOMETRY

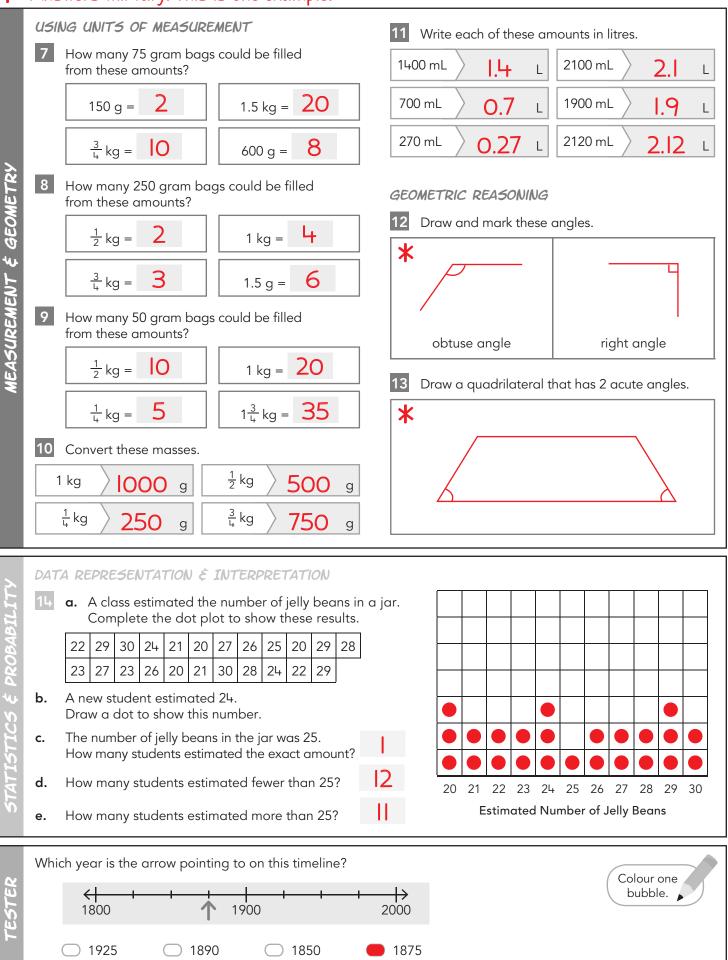


one and eighty-four hundredths

Five hundred and ten million, three hundred and sixteen thousand, two hundred and fifteen

In our number system, **places are grouped in threes**. In each group, there are hundreds, tens and ones of the particular amount.

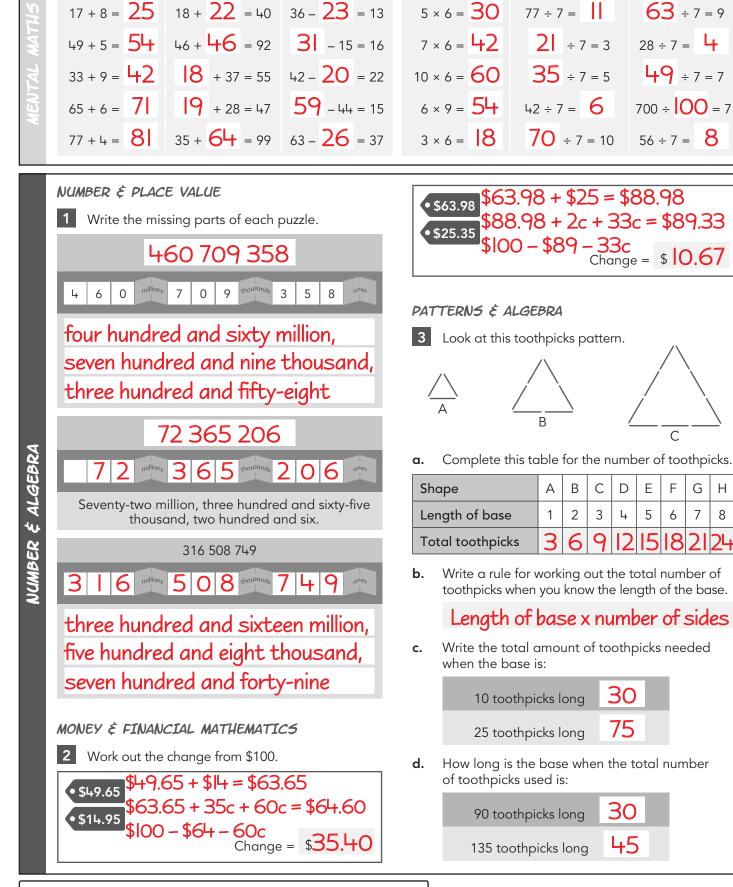
1



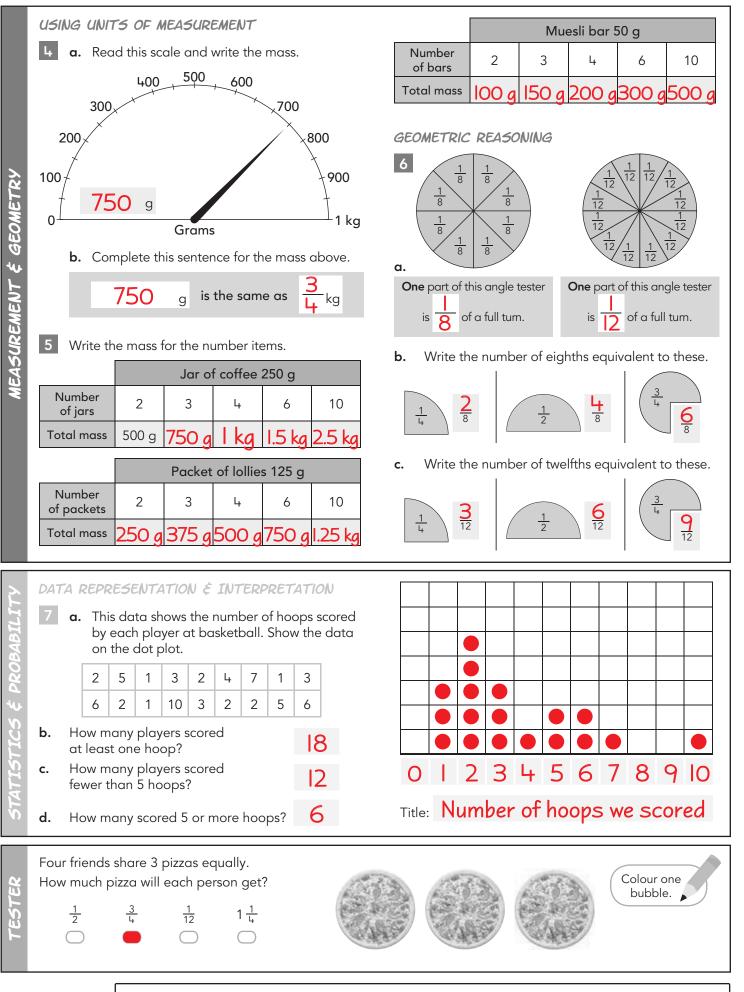
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ADDITION & SUBTRACTION





You can use a **count-on strategy** to calculate change. Start with the total price and count on to the amount tendered.



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# $igstar{}$ Answers will vary. This is one example.

NAME		<b>STEP IT UP!</b> (15
15 + 28 = <b>43</b> 22 + <b>1</b> 11 + 27 = <b>38 32</b>	$\begin{array}{c} + 9 = 61 \\ + 9 = 61 \\ + 40 = 72 \\ - 18 = 45 \\ - 18 = 66 \\ - 18 = 44 \\ - 18 = 66 \\ - 18 = 44 \\ - 18 = 66 \\ -$	$7 \times 8 = 56$ $8 \div 8 = 1$ $160 \div 8 = 20$ $7 \times 4 = 28$ $40 \div 8 = 5$ $96 \div 8 = 12$ $7 \times 9 = 63$ $56 \div 8 = 7$ $88 \div 8 = 11$
NUMBER & PLACE VALUE1Write all the factors of $24$ is the same as $1 \times 24$ 2 $2 \times 12$ 3 $3 \times 8$ 4 $4 \times 6$ $28$ is the same as $1 \times 28$ $2 \times 14$ $4 \times 7$ $34$ is the same as $1 \times 34$ $2 \times 17$	each number. $56$ is the same as $1 \times 56$ $2 \times 28$ $4 \times 14$ $8 \times 7$ $18$ is the same as $1 \times 18$ $2 \times 9$ $3 \times 6$ $25$ is the same as $1 \times 25$ $5 \times 5$	2 a. How many different factors does 25 have? 3 b. 25 is a special type of number. It is called a square number. c. How many different factors does 19 have? d. 19 is a special type of number. It is called a prime number. 3 Break one number into 2 factors to make the multiplication easier then write the answer. $8 \times 45 = 8 \times 5 \times 9 = 360$ $35 \times 4 = 5 \times 7 \times 4 = 140$ $25 \times 36 = 25 \times 6 \times 6 = 900$ b Break both numbers into 2 factors then write the answer. $15 \times 14 = 3 \times 5 \times 7 \times 2 = 210$ $25 \times 18 = 5 \times 5 \times 3 \times 6 = 450$ $22 \times 45 = 2 \times 11 \times 5 \times 9 = 990$

35

7

19

×

×

19

is the same as

×

I

5

#### FRACTIONS & DECIMALS

5 Write the fraction that is shaded.



You can **use factors** to make multiplication easier. For example, when you see  $15 \times 18$  think  $5 \times 3 \times 2 \times 9$  and multiply  $5 \times 2$  first.

× 48

×

×

×

×

24

16

12

8

I

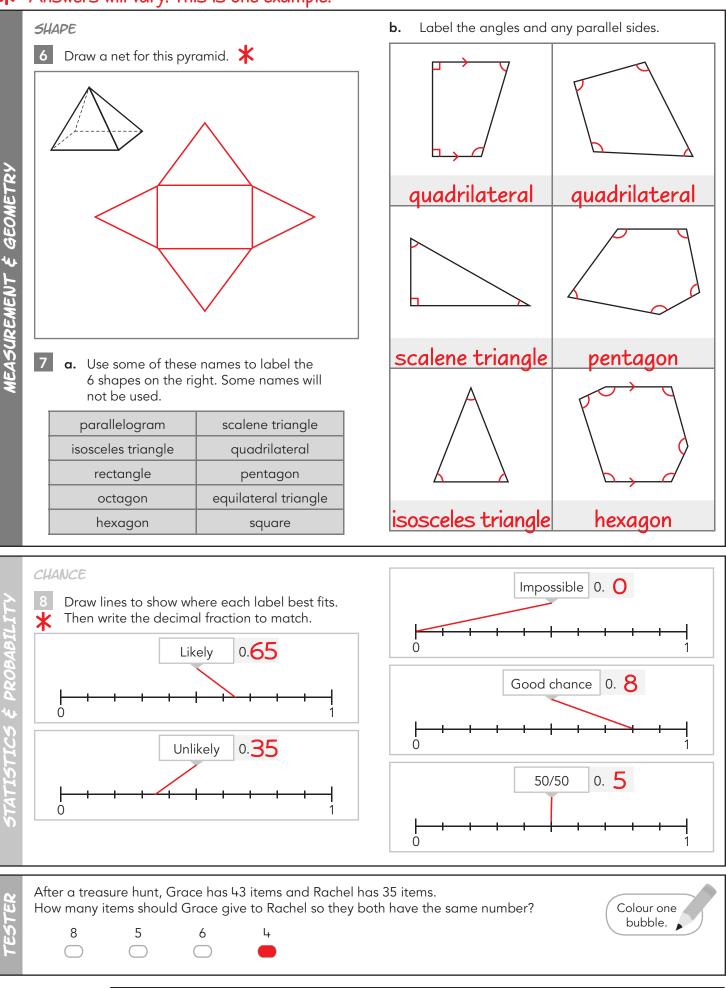
2

3

4

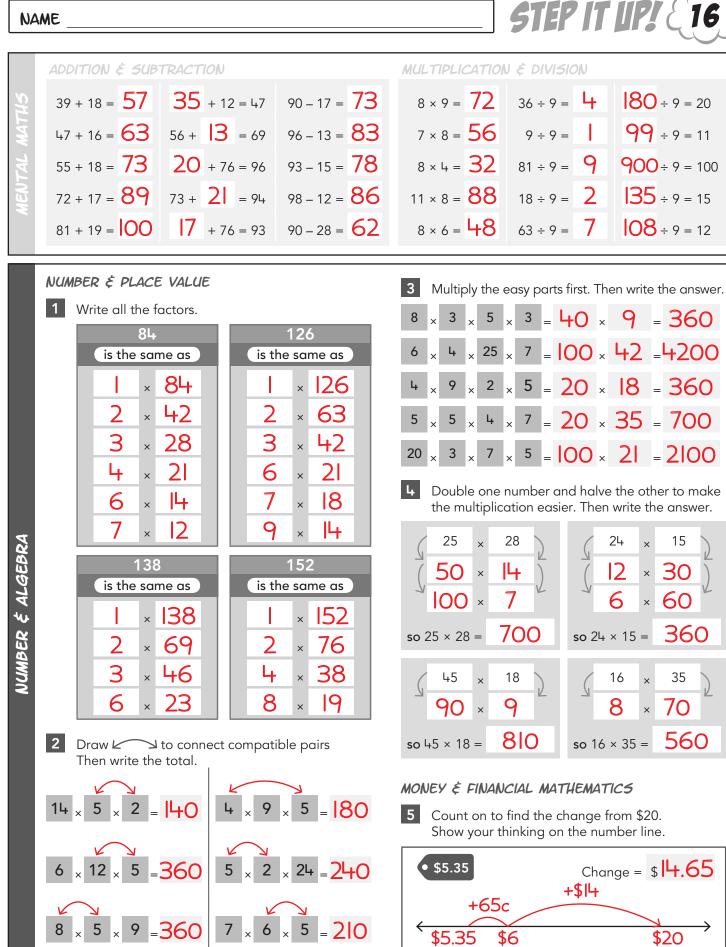
6

B



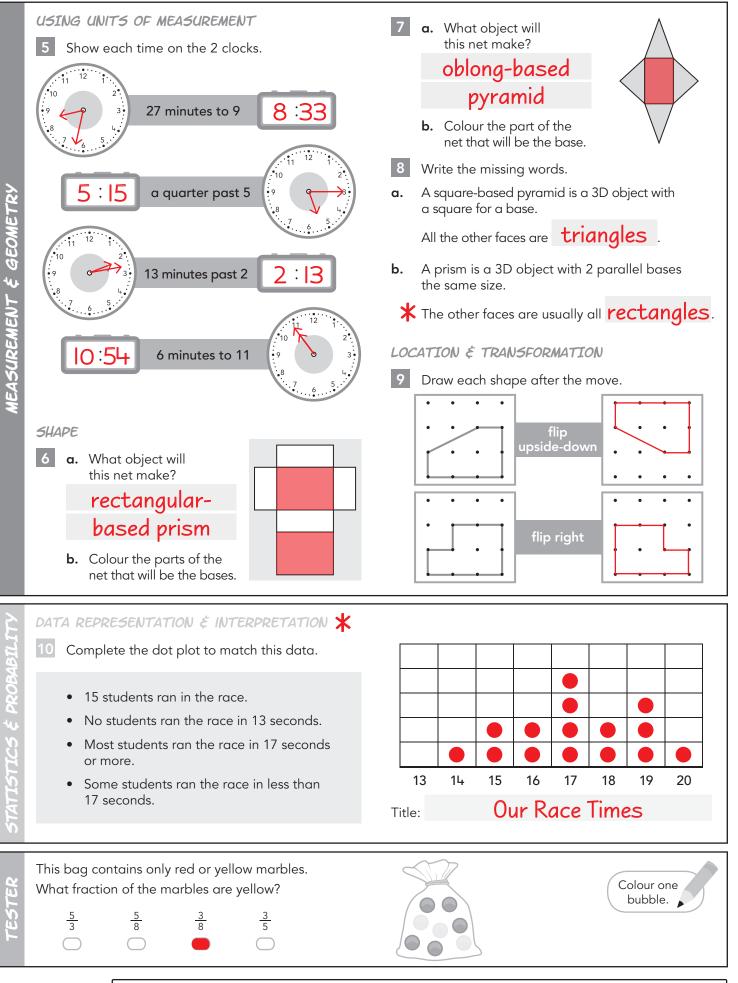
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1



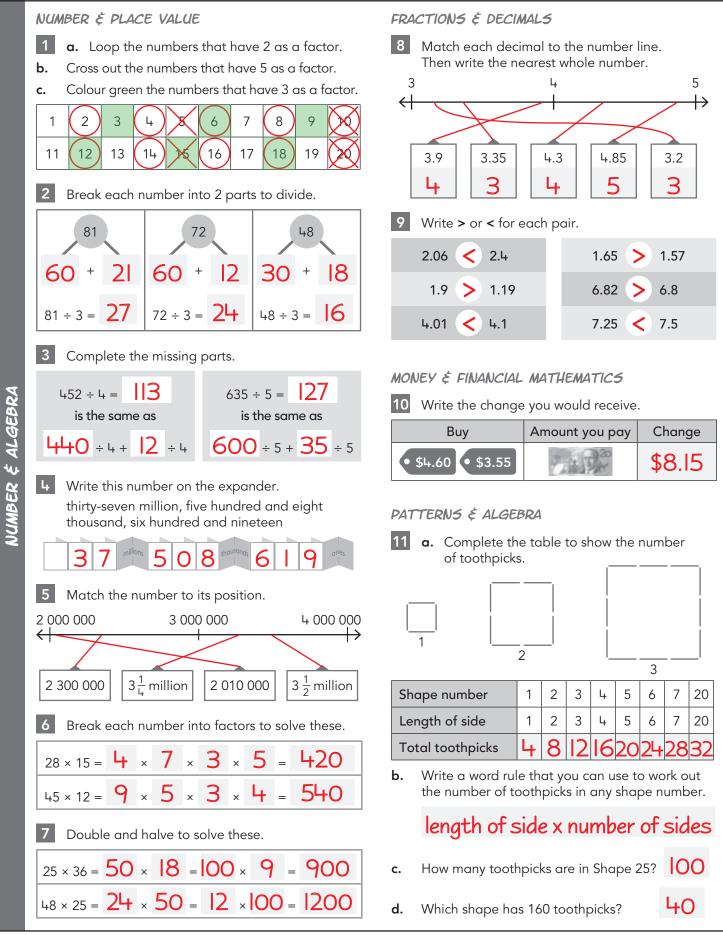
16

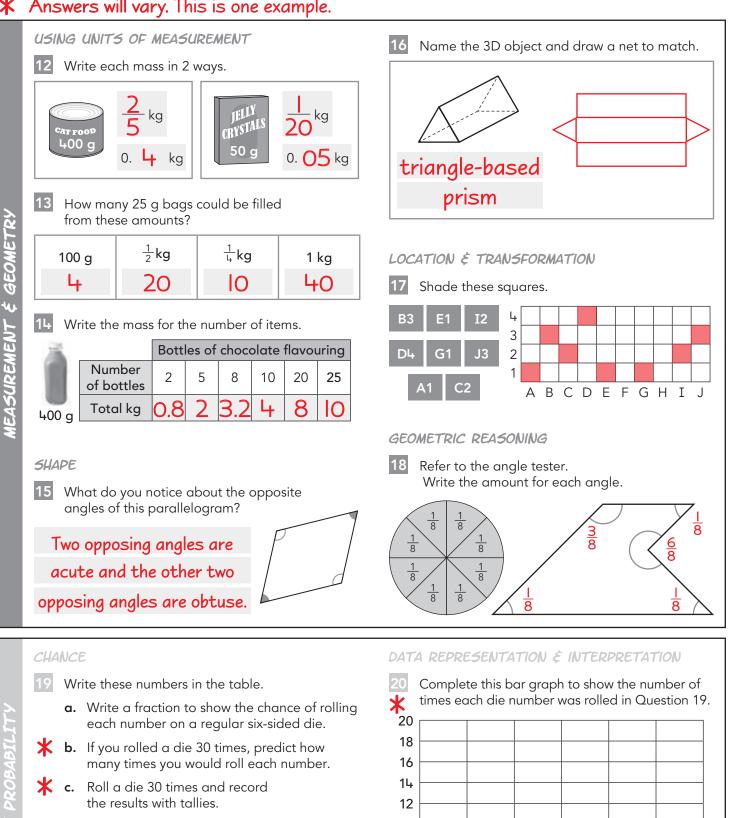
A **net** is a flat model that can be folded to form a 3D object such as a pyramid or prism.



PARENT/CARER SIGNATURE







	1	2	3	4	5	6
Fraction	<u> </u> 6	<u> </u> 6	<u> </u> 6	<u>-</u>  Ю	<u>-</u>  Ю	<u>–</u>  6
Prediction						
Number of Rolls						

