Η



25

To work out an equal monthly repayment, you divide the total cost by the number of months.







50 + 50 = 00	18 - 7 =	20 - 12 = 8
30 + 40 = 70	26 – 11 = <mark>15</mark>	28 - 14 =
40 + 60 = 00) 19 - 7 = 2	24 - 13 =
15 + 85 = 00) 40 - 15 = 25	22 – 5 = 17
35 + 45 = <mark>80</mark>	31 - 12 = 9	21 - 11 = 0

NUMBER & PLACE VALUE

1 Show the remainder in 3 different ways.			
	Ans	wer	
83 ÷ 4 =	20 r 3	20 3 4	20.75
84 ÷ 4 =	21	21	21
85 ÷ 4 =	2l rl	21 	21.25
86 ÷ 4 =	2l r2	21 2	21.5
87 ÷ 4 =	2l r3	21 3	21.75
88 ÷ 4 =	22	22	22
89 ÷ 4 =	22 rl	22 	22.25
90 ÷ 4 =	22 r2	22 2	22.5

Solve the problem. Express the answer in the most appropriate way.

\$253 is being evenly split among 5 people. How much money does each person receive?

\$50.60

Golf balls are packed in boxes of 3. How many boxes are required for 215 golf balls?

72 boxes (with 2 golf balls in one)

MULTIPLICATION & DIVISION

8 × 9 = 72	19 × 1 = 19	96 ÷ 2 = 48
8 × 4 = <mark>32</mark>	19 × 9 = 17	126 ÷ 2 = 63
8 × 6 = 48	19 × 4 = 76	138 ÷ 2 = 69
8 × 8 = 64	19 × 8 = 152	84 ÷ 2 = 42
8 × 7 = <mark>56</mark>	19 × 5 = 95	72 ÷ 2 = <mark>36</mark>

71 lollies are shared equally among 5 friends. How many lollies are in each share?

14 Iollies each with I Iolly left over

MONEY & FINANCIAL MATHEMATICS

3

A group of friends equally share the cost of this cake. For each group work out the cost for each person.



Number of friends	Cost for each person
4	\$2.20
5	\$1.76
8	\$1.10
16	55c



You can **split the dividend** to make division of dollar-and-cent amounts easier. For example, when you see $4.41 \div 7$ think $4.20 \div 7$ plus $21 \div 7 = 60c + 3c = 63c$.

F

NUMBER & ALGEBRA

2

LOCATION & TRANSFORMATION



					•
	ADDITION & SUBTRACTION		MULTIPLICATIO	N É DIVISION	
НS	15 + 25 = 40 16 - 9 = 7	15 – 7 = 8	7 × 4 = 28	96 ÷ 8 = 12	15 ÷ 5 = 3
MAT	16 + 16 = 32 - 5 = 9	30 - 11 = 9	7 × 9 = 63	48 ÷ 8 = 6	30 ÷ 5 = 6
TAL	12 + 19 = 3 18 - 3 = 5	25 - 14 =	7 × 8 = 56	128 ÷ 8 = 16	10 ÷ 5 = 2
NEN.	14 + 14 = <mark>28</mark> 21 - 7 = 14	30 – 17 = 13	7 × 7 = 49	80 ÷ 8 = 0	45 ÷ 5 = 9
	35 + 35 = 70 20 - 11 = 9	26 – 13 = 3	7 × 3 = 2	56 ÷ 8 = 7	50 ÷ 5 = 0



a. Write the numbers 100 less and 100 more .				
100 less	52 329	39 956	259 900	
	52 429	40 056	260 000	
100 more	52 529	40 156	260 100	
b. Write the numbers 1000 less and 1000 more.				
1000 less	74 400	93 999	102 010	
	75 400	94 999	103 010	
1000 more	76400	95 999		

FRACTIONS & DECIMALS

NUMBER & ALGEBRA

1

2 Complete the table to show equivalent fractions, decimals and percentages.

Fraction	Decimal	Percentage
3 4	0.75	75%
	0.1	10%
<u>79</u> 100	0.79	79%

PATTERNS & ALGEBRA

3 Draw the 4th picture. Write the number of toothpicks then write the pattern rule.





STEP IT UP! (

e. Write how you know 132 is an oblong number.

Because || x |2 = |32

A **prism** is a 3D object that has two parallel bases that are the same shape and size. The bases are usually connected by a ring of rectangles (oblongs or squares).

* Answers will vary.





NUMBER & PLACE VALUE



- Draw a red square around the square numbers. a.
- Draw a blue triangle around the triangular b. numbers.
- Draw a green circle around the oblong numbers. c.
- Draw a black circle around the prime numbers. d.

FRACTIONS & DECIMALS



NUMBER & ALGEBRA



MONEY & FINANCIAL MATHEMATICS



Pascal's triangle is a triangular arrangement of numbers where each number is the sum (or total) of the 2 numbers directly left and right above.



Η



You can find an equivalent fraction by multiplying (or dividing) the numerator and denominator by the same number.

* Answers will vary.



1



When you **add or subtract common fractions**, the denominators must be the same. You can use equivalent fractions to make any changes that are needed.



CHANCE

Imagine you use this spinner 100 times. Loop the table that shows the most likely results. С Number Number Letter Letter of Spins of Spins В 72 50 А А Α В 18 В 40 С С 10 10

_		
	Letter	Number of Spins
	А	70
	В	10
	С	20



NAME



When **dividing by 10, 100 or 1000** the digits move 1 (÷10), 2 (÷100), or 3 (÷1000) places to the right.



PARENT/CARER SIGNATURE

Draw the reflection. Label the vertexes.





Write your answer in the box.



A right angle (or quarter turn) measures 90° and a **straight line** (or half turn) measures 180°. Any 2 angles that make a straight line and share one angle arm will total 180°.



combinations for each total when rolling 2 dice.			
1	2	3	
	,	I, 2	2,2
		2, 1	1,3

4,2

5,1

6

10

1,5

2,4

3.3

4,6

6,4

5. 5

EVOBABILIT

51AT15T1C5

5

9

3,6 5,4

4, 1

1,4

6,3

4.5

3 2.

3,2

probability of each total when rolling 2 dice.

1	2	3	4	5	6
0	<u> </u>	2	3	4	<u>5</u>
	36	36	36	36	36
7	8	9	10	11	12
<u>6</u>	<u>5</u>	4	<u>3</u>	<u>2</u>	_
36	36	36	36	36	36

Write a fraction to describe each of these. с.







PARENT/CARER SIGNATURE

3, I

5,2

3,4

1,6

6,1

5,6

6,5

2,5 4,3

11

8

5

4,4

2,63,

6,2 5,3

12

6,6



Convert to the same denominator. Then write the answer. <u>כ</u> 8 MONEY & FINANCIAL MATHEMATICS 6 Calculate the new price of each item. • \$132 • \$750 5% $\frac{1}{4}$ off off New price = \$712.50 New price = 7 Calculate the equal monthly payments. • \$1395 • \$2590 5 months 9 months each month \$ each month PATTERNS & ALGEBRA Complete the next 2 rows of Pascals' triangle.

10 10

STEP IT UP! (REVIEW



9 Complete these conversion charts.





÷60

10 Write the missing times in each time zone.

÷

Western	Central	Eastern
Perth	Adelaide	Sydney
10:00 a.m.	11:30 a.m.	12:00 noon
2:00 p.m.	3:30 p.m.	4:00 p.m.
11:15 a.m.	12:45 p.m.	l:15 p.m.
3:45 p.m.	5:15 p.m.	5:45 p.m.

DATA REPRESENTATION & INTERPRETATION

Explain how the graph could be misleading.

Use the graph to answer these.

What was the life expectancy

What was the life expectancy

The scale used makes the

difference appear greater

SHAPE 🗶

11

a.

b.

- **a.** Draw the missing face in this prism net.
- **b.** Colour the bases blue.

in the year 2000?

in the year 2009?

than it is.



79.2 years

81.5 years

LOCATION & TRANSFORMATION

- 12 Follow these steps.Draw the shape in each new position. Label the vertexes.
 - Flip across line CD.
 - Slide right 6.
 - Rotate anticlockwise 90° around point F.



GEOMETRIC REASONING

Use a ruler and a protractor to draw these angles.



