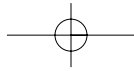


SAMPLE



NUMBER Whole numbers

BLM 1

Up To and Down From 100

CARD 1

1 Count backwards by 100 from 623. Write each answer.

.....

.....

2 Count forwards from 456 by 100. Write the first six numbers you get.

.....

.....

3 Write the place value of the 7 in each of these numbers:

a) 274 c) 4790 e) 1087

b) 3872 d) 7281

4 Write the number 1358 in expanded notation.

.....

.....

5 Mentally calculate the difference between 68 and 199. Explain how you reached your answer.

.....

.....

.....

6 Write the number 1079 in words.

.....

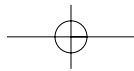
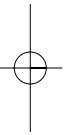
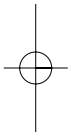
7 Round 754 to the nearest hundred.

.....

8 Round 1545 to the nearest ten.

.....

MIB



NUMBER Whole numbers
Crazy Hat Day

BLM 2

CARD 2

1 Complete the chart.

501	502					507	508	509	510
511									520
		583						589	590
591								599	600

2 On the chart above, colour the numbers as follows:

NUMBERS	
2 IN THE ONES PLACE	RED
8 IN THE TENS PLACE	GREEN
SAME NUMBER IN THE TENS PLACE AND THE ONES PLACE	BLUE
BETWEEN 567 AND 581	YELLOW
LESS THAN 507	BROWN
GREATER THAN 592	PURPLE

3 Order these numbers from smallest to largest.

24, 64, 14, 54, 44, 34,,,,

4 Order these numbers from largest to smallest.

584, 564, 534, 554, 544,,,

NUMBER Whole numbers

BLM 3

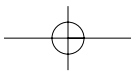
April Fools' Day

CARD 6

The following calendar shows the year 2008.



- 1** Write the day and date for April Fools' Day 2008.
- 2** How many days are there in the year 2008?
- 3** Name the months in 2008 which have a Tuesday as the first day of the month.
.....
.....
- 4** Mentally add the number of days in February, March, April and June.
.....
- 5** Mentally subtract the days in July and August from the total number of days in 2008.



NUMBER Whole numbers

BLM 4

Four Fours

CARD 9

1 Write the following numbers in descending order, i.e. largest to smallest:
3564, 4365, 5463, 3546, 3654, 5436.

2 Write the number 5436 in words.

3 Round 3564 to the nearest ten.

4 Round 5463 to the nearest thousand.

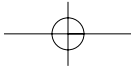
5 How many hundreds are there altogether in the number 3654?

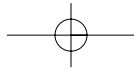
6 Write all you can about the number 3546.

7 Find the difference between the numbers 3564 and 5436.

8 Add all the numbers in Question 1 together, without using a calculator.

9 Write your own word story using the two odd numbers in Question 1.





NUMBER Whole numbers

BLM 5

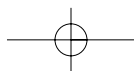
Yarra Bridges

CARD 10



- 1** In which year was the Hoddle Bridge constructed?
- 2** How many years ago was the bridge constructed?
- 3** Write the number 1938 using expanded notation.
.....
- 4** Round 1938 to the nearest hundred.
.....
- 5** Round 1938 to the nearest ten.
- 6** Count backwards by tens from 1938. Write the next four numbers.
.....
- 7** What is the place value of the 9 in 1938?
- 8** Which number comes immediately before 1938?
- 9** Write the number 1938 in words.
.....
.....
- 10** Which number is 100 more than 1938?

MiB



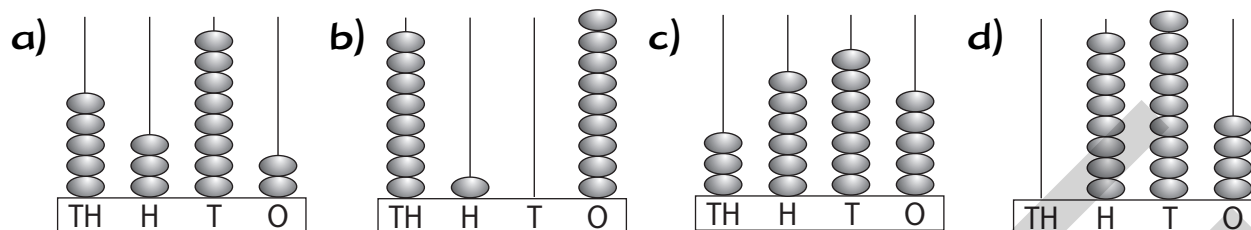
NUMBER Whole numbers

BLM 6

Looking at 2008

CARD 11

1 Write the number shown on each abacus.



2 Write each of the numbers in Question 1 as it would appear on a calculator screen.



3 Fill in the keys you would press to change the following numbers, leaving other digits unchanged:

a) the 8 in (a) to a 0

b) the 9 in (b) to a 3

c) the 6 in (c) to a 9

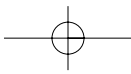
d) the 4 in (d) to a 7

Use a calculator to check your answers.

4 Answer the following questions about the number shown on the numeral expander.



- a) How many hundreds are there *altogether* in 5912?
- b) How many tens are there *altogether* in 5912?
- c) Write the number that is 100 more than 5912.
- d) Write the number 5912 in words.
- e) I add 9 more tens to 5912. Write the new number.
- f) I take 910 away from 5912. Write the new number.
- g) If I add 1 to each of the groupings (Th, H, T and U) in the number 5912, what will the new number be?



NUMBER Whole numbers

BLM 7

The Strand Arcade

CARD 12

1 The Strand Arcade was opened in 1892. Write this number in words.

2 Place these numbers in descending order, i.e. largest to smallest:
1286, 1694, 1068, 1892, 1987, 1882.

3 Place these numbers in ascending order, i.e. smallest to largest:
1739, 2004, 1632, 1363, 1629, 1336.

4 Round these numbers to the nearest 100: 1867, 1456, 1449, 1533, 1892.

5 Round these numbers to the nearest 10: 1724, 1966, 1949, 1325, 1892.

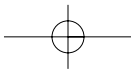
6 Write the number 2169 using expanded notation.

7 What does the 8 represent in the number 1892?

8 What does the 3 represent in the number 1973?

9 The Strand Arcade is 304 metres in length. Write as much as you can about the number 304.

MIB



9

2

+

8

4

●

6

3

10

NUMBER Whole numbers

BLM 8

Inventions

CARD 13

Many things we use today were invented in the 1800s. Round the date of each invention to the nearest 10 years.

Telephone 1876	1.	Zipper 1893	2.
Photograph 1826	3.	Bicycle 1839	4.
Sewing machine 1846	5.	Safety match 1844	6.
Safety pin 1849	7.	Pneumatic tyre 1845	8.
Radio 1895	9.	Phonograph 1877	10.
Stethoscope 1816	11.	Typewriter 1876	12.

More practice

Round these numbers to the nearest 10.

13. 41
14. 324
15. 75
16. 179
17. 87
18. 645

Round these numbers to the nearest 100.

19. 326
20. 693
21. 555
22. 407
23. 839
24. 3495

RESEARCH: Do your own research into any two of the above inventions. Find out who invented them, in which country and the age of the inventor at the time, as well as other points of interest. Write brief reports below.

Invention 1 Item: Inventor:

Age: Country:

.....

.....

.....

Invention 2 Item: Inventor:

Age: Country:

.....

.....

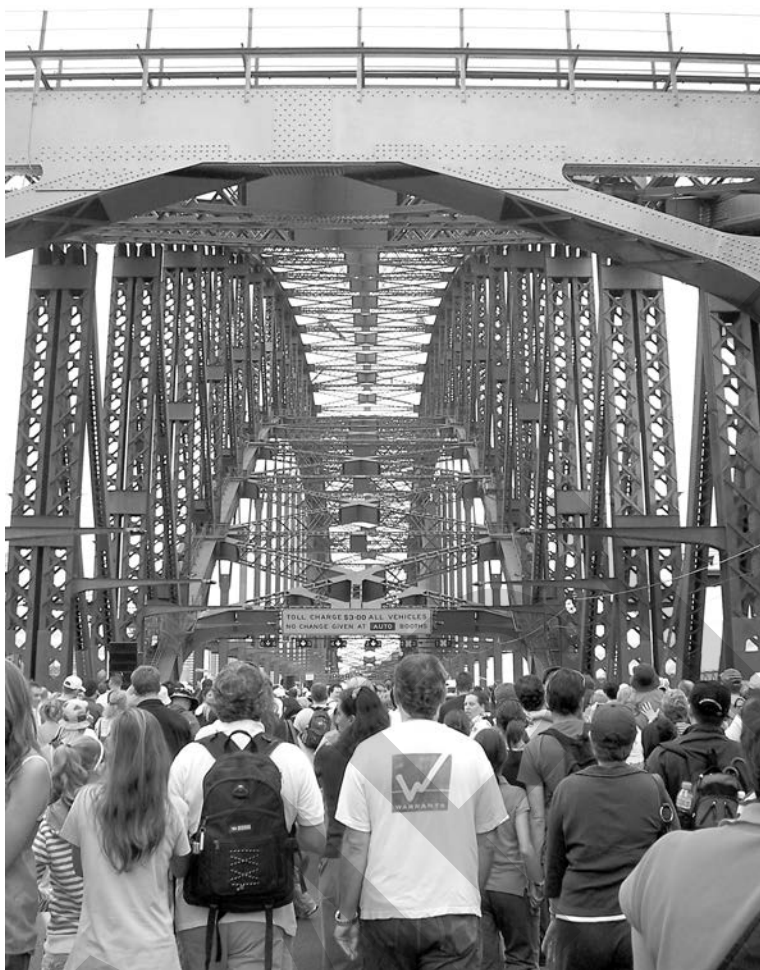
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NUMBER Whole numbers

BLM 9

Walking the Bridge

CARD 14



Write the numeral for each number.

- 20 more than 2974
- 5 less than 4638
- 10 more than 1901
- 11 less than 4005
- 100 more than 970
- 500 less than 2350
- 200 more than 3912
- 200 less than 9997
- the number between 3569 and 3571
- the number between 5099 and 5101
- the smallest four-digit number
- the largest four-digit number

Ask a classmate to check your work.

MiB

9

+

2

8

4

8

4

6

3

11



NUMBER Whole numbers

BLM 10

Australia's Highest Mountains

CARD 15

1 Make these numbers with the Base 10 blocks. Then write the numeral for each of the following numbers.

- a) three thousand
- b) four thousand and eighty
- c) eight thousand and seventy
- d) four thousand eight hundred
- e) two thousand four hundred and fifty-six
- f) three thousand seven hundred and four
- g) three thousand one hundred and seventy
- h) nine thousand nine hundred and ninety-nine
- i) one thousand four hundred and ninety-seven

Tell your teacher the place value of the digits in each number.

2 Build these numbers: 2316 2136 2536 2613

Write them in order from smallest to largest.

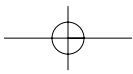
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.....

3 Build some numbers of your own with blocks, flats, longs and shorts. Ask a classmate to place them in order from smallest to largest.



NUMBER Whole numbers

BLM 11

Australia's Rivers

CARD 16

1 This is a table of the longest rivers in Australia. Round each number up or down to the nearest 100 kilometres and then to the nearest 1000 kilometres.

RIVER	LENGTH (km)	HUNDRED	THOUSAND
DARLING	2740		
MURRAY	2589		
MURRUMBIDGEE	1609		
BARWON-MACINTYRE	1577		
LACHLAN	1481		

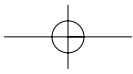
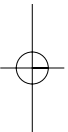
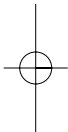
2 Jim and Jean travelled the Murray on a houseboat. Round the distance they travelled each trip to the nearest 10, 100 and 1000 kilometres.

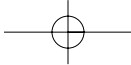
TRIP	ACTUAL DISTANCE	TO NEAREST TEN	TO NEAREST HUNDRED	TO NEAREST THOUSAND
1	83 KM			
2	132 KM			
3	481 KM			
4	1234 KM			
5	1845 KM			

3 Using a calculator, find the *total actual distance* travelled by Jim and Jean on the Murray River trips.

4 Now total your 'to nearest ten' column in the above table, again using your calculator.

5 What is the difference between the answers to questions 3 and 4?





9

2

+

8

4

6

3

14

NUMBER Addition and subtraction

BLM 12

Canteen Lunch

CARD 17

Use the price list below to answer the following questions:

Price List	
Snacks	
Sultanas	70c
Crispbread with tomato and cheese	35c
Yoghurt	95c
Drinks	
Plain milk	\$1.20
Chocolate milk	\$1.60
Fruit juice	\$1.00
Sandwiches	
Salad	\$2.00
Curried egg	\$1.60
Ham	\$1.90
Vegemite	\$1.40
Banana	\$1.55

- 1 How much more is a salad sandwich than a banana sandwich?

.....

.....
- 2 What is the difference in price between a yoghurt and a crispbread with tomato and cheese?

.....

.....
- 3 Miriam had \$4.00. She bought two banana sandwiches. How much change did she receive?

.....

.....
- 4 If you had \$2.00 and bought a fruit juice and some sultanas, how much change would you receive?

.....

.....

- 5 Choose your favourite sandwich, snack and drink. List them. How much change would you receive if you paid for them with \$5.00?

.....

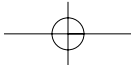
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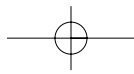
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NUMBER Addition and subtraction

BLM 13

Pet Parade

CARD 18

1 On Pet Parade Day, 56 dogs and 27 cats were brought to school. How many pets were brought to school?

	Tens	Ones

2 In a game of netball Jayne scored 15 goals and her sister Peta scored 14. How many goals did they score?

	Tens	Ones

3 Answer the following questions by computing mentally. Explain how you worked mathematically for each question.

a) What is 15 more than 58?

.....

.....

.....

.....

.....

d) Add 25 and 55.

.....

.....

.....

.....

.....

b) What is the total when 48 is added to 16?

.....

.....

.....

.....

.....

e) Find the sum of 64 and 25.

.....

.....

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.....

.....

c) Increase 33 by 46.

.....

.....

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.....

.....

f) To 18, add 31.

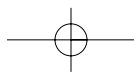
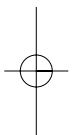
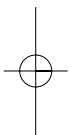
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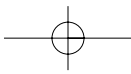
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NUMBER Addition and subtraction

BLM 14

Three-digit Addresses

CARD 22

Write a question for each of these addition problems. Work out your answer, using materials if needed. Set out your work in your maths exercise book.

1 Leisha and her family owned a property that was 898 hectares in area. They bought another property that was 276 hectares in area.

Question:
.....
.....
.....

2 During their holiday, Stephanie and her family travelled 154 kilometres on the first day, 398 kilometres on the second day and 79 kilometres on the third day.

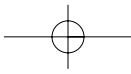
Question:
.....
.....
.....

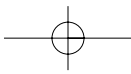
3 Nirvana is a town with a population of 164. There are 596 people living in Westford and 462 living in Lawler.

Question:
.....
.....
.....

4 At the fruit market Jane spent \$4.67. At the chemist she spent \$9.34. At the bakery she spent \$5.45.

Question:
.....
.....
.....





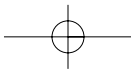
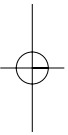
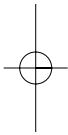
NUMBER Addition and subtraction

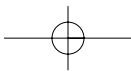
BLM 15

White Plastic Chairs

CARD 26

- 1** A hardware store displayed five stacks of white plastic chairs. In each stack were 25, 33, 18, 21 and 23 chairs. How many chairs were displayed altogether?
-
- 2** From a display of 137 chairs, a customer purchased 48 for an outdoor café. How many remained in the display?
-
- 3** If each chair in Question 2 cost the customer \$5.00, mentally calculate the cost of the 48 chairs.
-
- 4** Explain how you worked mentally in Question 3.
-
- 5** From a display of 158 plastic chairs, the following numbers were bought by customers: 12, 9, 6, 4, 8, 20 and 2. How many were purchased altogether?
-
- 6** After the sales in Question 5 had been made, how many chairs remained on display?
-
- 7** Using some or all of the numbers 27, 31, 24 and 19, write a problem about plastic chairs and solve it.
-
-
-
-
-





NUMBER Addition and subtraction

BLM 16

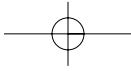
Get Your Claws on These

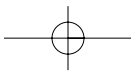
CARD 27

**Hot Fish
and
Chips**

Sam's Fish 'n' Chips	
	MENU
	
Bream and chips	\$5.50
Whiting and chips	\$6.30
Dory and chips	\$4.70
Flathead and chips	\$6.10
Seafood packs	\$5.00
Green salad	\$4.00
All drinks	\$2.20

- 1** Sally ordered bream and chips, Kim flathead and chips and Lisa dory and chips. They all bought drinks. How much did it all cost?
-
-
- 2** The Nguyen family bought their take-away meal at Sam's Fish 'n' Chips. Dad bought whiting and chips, Mum bought bream and chips and the three children all requested seafood packs. Mum bought two green salads to share among them all. How much did the meal cost?
-
-
- 3** Calculate the change from \$100.00 if the following order is placed: three bream and chips, four dory and chips, five seafood packs, three green salads and four drinks.
-
-
- 4** Write your own problem about buying from Sam's Fish 'n' Chips shop for a classmate to solve. Ask the classmate to work out the total cost and the change from a \$50.00 note.
-
-
-





NUMBER Addition and subtraction

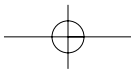
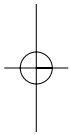
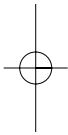
BLM 17

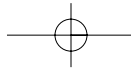
Fresh Fruit in a Bowl

CARD 28

At the Show

- 1** Ticket prices to the show are \$15.00 for adults and \$7.00 for children. A family ticket for two adults and two or more children costs \$40.00. How much is saved if dad, mum and three children use a family ticket?
-
- 2** Rides at the show cost \$5.00 for three. Susan, Kathy and Jamie all want to go on nine different rides. How much money will they need?
-
- 3** Sample bags at the show cost \$4.00, \$7.00 and \$10.00. Susan has been given \$40.00 to spend on sample bags for herself and her friends. Make a list of all the possible combinations of \$4.00, \$7.00 and \$10.00 bags she could buy by spending EXACTLY the \$40.00 she was given.
-
-
- 4** Dad and Mum bring lunch with them but the children buy their lunch. Visitors to the show can choose from the following lunch items:
- | | | |
|-----------------------|----------------------|--------------|
| Meat pie \$2.50 | Hot dog \$3.00 | Kebab \$3.00 |
| Salad sandwich \$3.50 | Ham roll \$2.75 | Apple \$0.80 |
| Banana \$1.00 | Chocolate bar \$0.70 | Juice \$0.80 |
- Kathy buys a meat pie, apple and juice. How much does she pay?
- Susan buys a hot dog, banana and juice. How much does she pay?
- Jamie buys a salad sandwich, ham roll and juice. How much does he pay?
- How much does it cost altogether for the three children to buy their lunch?
-
- 5** Admission tickets to the animal nursery are \$5.50 for adults and \$3.50 for children. How much will it cost for dad, mum and three children?
-
- 6** The family travels home by bus. Fares are \$4.00 for each adult and \$2.25 for each of their children. How much did it cost the family in bus fares?
-
- 7** Estimate first, then calculate the total cost of the family's visit to the show (Questions 1-6 above).





NUMBER Addition and subtraction

BLM 18

Six Fours

CARD 29

1 Arrange the following numbers in descending order (largest to smallest): 2527, 3894, 2985, 2959, 2498, 1844

.....

.....

2 Round these numbers to the nearest ten: 3456, 5849, 3254, 9255

.....

.....

3 Write the first four numbers when counting forward by tens from 1466.

.....

.....

4 Write the number 4658 using expanded notation.

.....

.....

5 Which numbers come before and after 4899?

.....

.....

6 Write in words the number 3896.

.....

.....

7 Use a calculator to add the six numbers in Question 1.

.....

.....

8 Mentally calculate the difference between the largest and smallest numbers in Question 1.

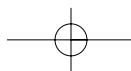
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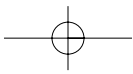
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9 Use pencil and paper to add 2769, 4578 and 8963.

.....

.....





NUMBER Addition and subtraction

BLM 19

Magic Squares

CARD 30

Complete these magic squares to find the magic numbers.

1

8	1	6
3	5	7
4	9	2

Magic number

2

15	12	
	18	
		21

Magic number

3

20		
130		10

Magic number **210**

4

7	21	8
	12	

Magic number

5

		81
	54	18
		63

Magic number

6

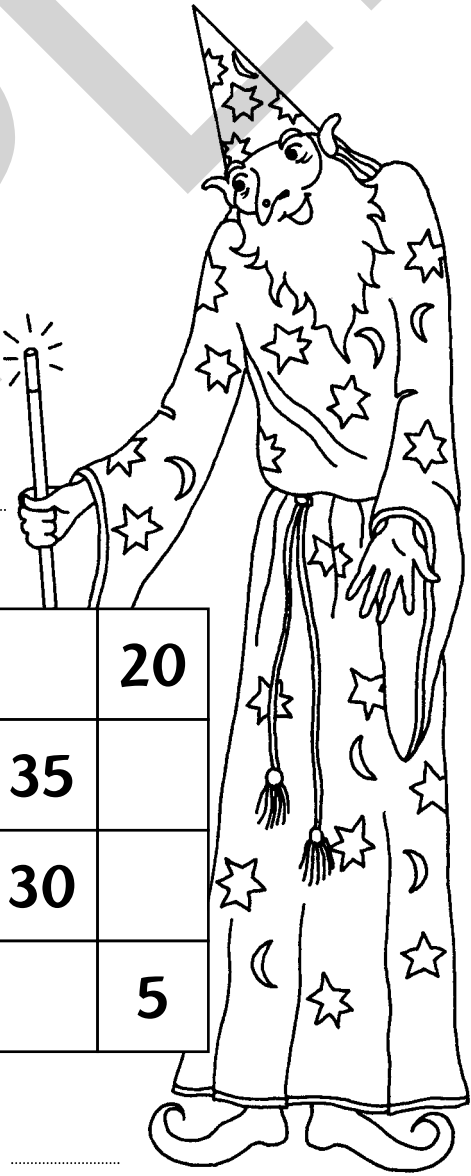
	5		4
	11		14
		6	15
13		12	1

Magic number

7

			20
	55	35	
15	50	30	
65	40		5

Magic number



8 Explain the method you used to solve the magic squares.

9
+
2
8
4
6

NUMBER Addition and subtraction

BLM 20

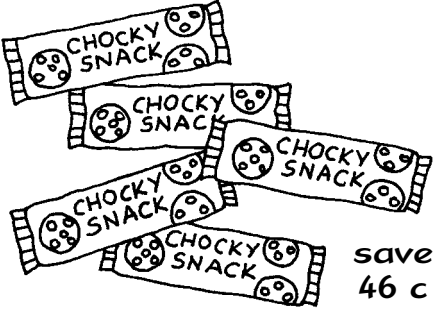
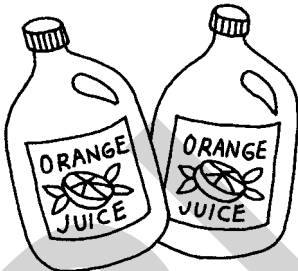
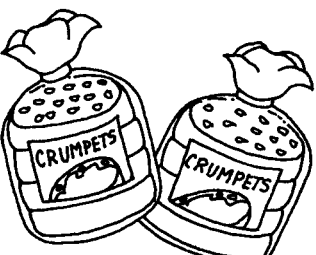
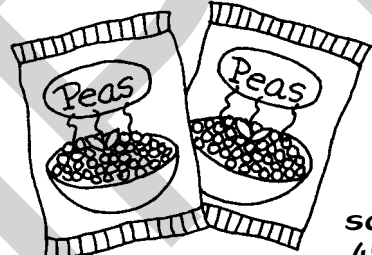
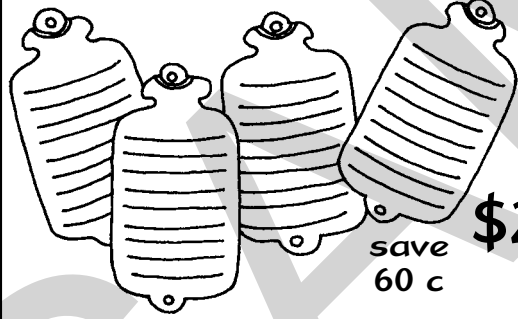
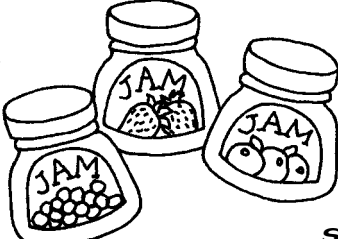
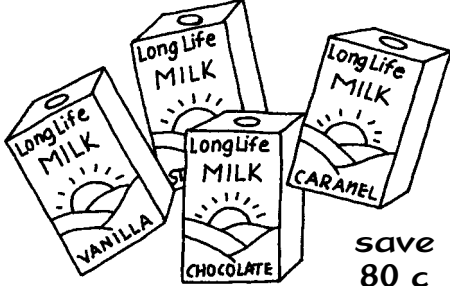
On Special

CARD 31

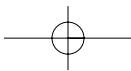
Kathy and Jamie had to shop for their families. Kathy had to buy 4 of each product advertised and Jamie had to buy 3 of each product advertised. How much did each of them spend? You may use a calculator to help you.

1 Kathy spent \$

2 Jamie spent \$

 110 g Chocky Snack \$3.99 for 12 save 46 c	 2 Litre Chilled Varieties save 96 c \$3.29
 500 g Crumpet Splits save 69 c 69c	 500 g Peas save 45 c 99c
 Hot Water Bottle save 60 c \$2.29 each	 500 g Conserve Varieties save 71 c \$1.89
Calculate your answer below.	 2 Litre Long Life Varieties save 80 c \$2.69

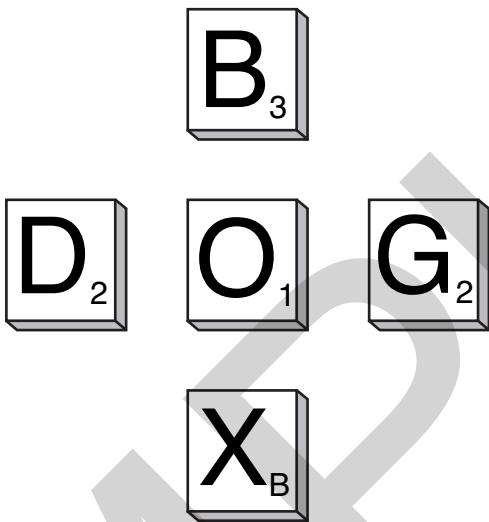
3 If a shopper purchased one of each item advertised, how much would she save?



What are Words Worth?

Letter Values

In the game of Scrabble players make words from the letters provided. Each letter has a numerical value. Letters that occur very frequently in English are given a very low Scrabble value. Letters that occur less frequently are given higher values. During the game players score the value of the letters used in the words they form.



1 Find out the numerical value for each letter in a Scrabble game. Write them below.

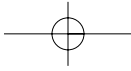
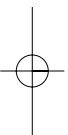
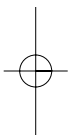
A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P
Q	R	S	T
U	V	W	X
Y	Z		

2 Which letters have the lowest value of 1?

3 Why?

4 Would it be lucky or unlucky to pick up a Q or an X? Why?.....

.....



9

+

2

8

4

6

3

24

NUMBER Addition and subtraction

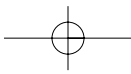
BLM 22

Queen Victoria Markets

CARD 33

The Pet Shop	
Kittens (vaccinations extra)	\$22
Dwarf rabbits	\$29
Puppies \$54 (vaccinations extra)	
Budgerigars	\$19
Rabbits	\$18
Lovebirds	\$28
Guineapigs	\$8
Vaccinations	\$35

- Mentally solve these problems.
- 1 If Rebecca bought a rabbit and a budgerigar, how much would she pay?
- 2 Jessica bought a dwarf rabbit, a budgerigar and two lovebirds. What did they cost all together?
- 3 Kittens and puppies need vaccinations, which cost \$35 each. If you bought a kitten and a puppy and had them both vaccinated, what would the total cost be?
- 4 If Vlado's grandmother gave him \$40 to buy two pets, what choices could he make? Would he receive any change? How much?
- 5 How many different choices could you make if you had exactly \$50 to spend?



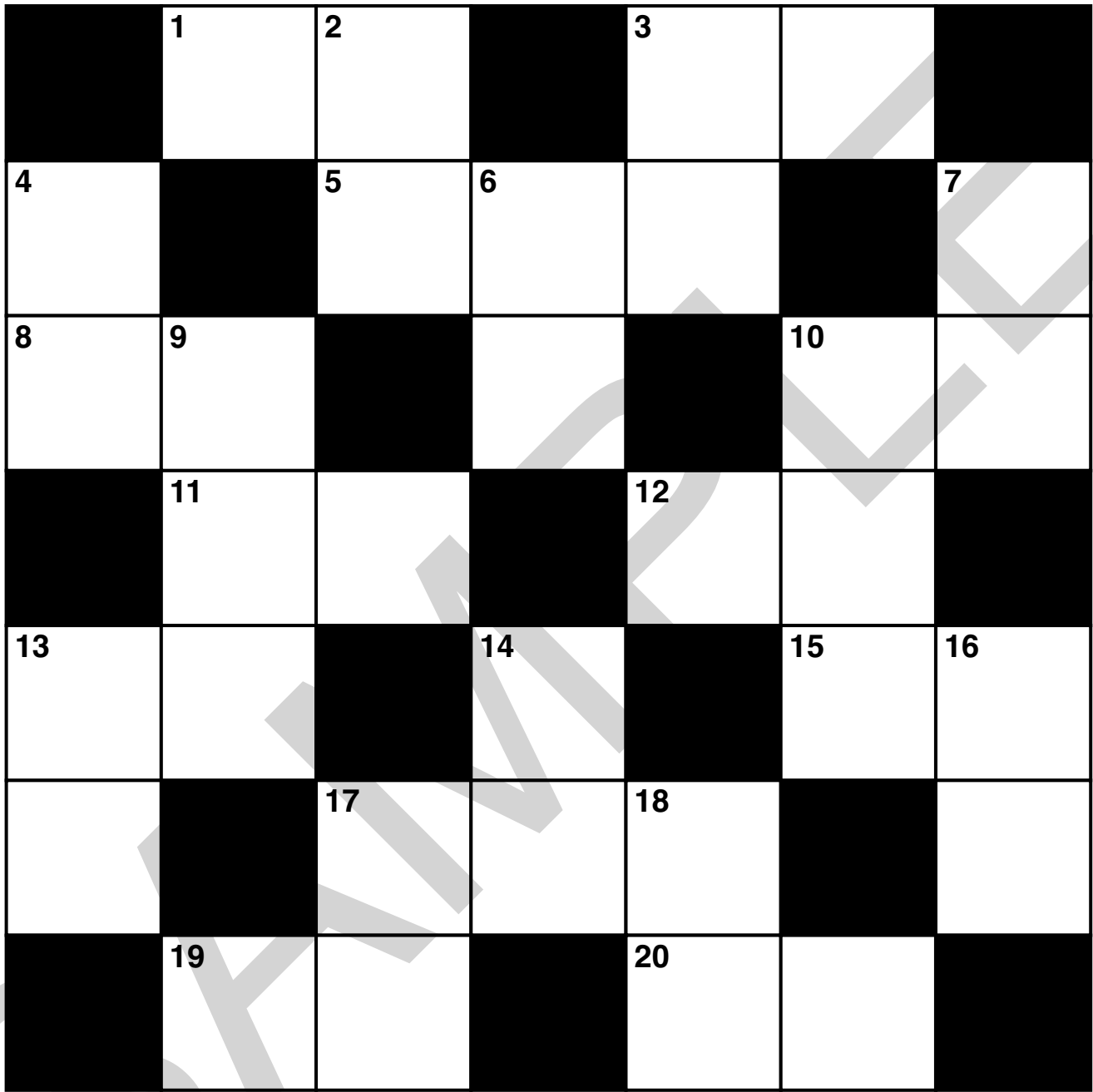
NUMBER Addition and subtraction

BLM 23

Cross Number Puzzle

CARD 35

Use the empty crossword grid below to create your own cross-number puzzle.

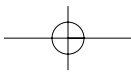


**NUMBER** Multiplication and division**BLM 24**

Egg Arrays

CARD 36

- 1** Use 24 counters to make as many different arrays as you can. Draw all your arrangements in the space below.
- 2** Write the multiplication number sentences and related division number sentences for each array below its diagram.



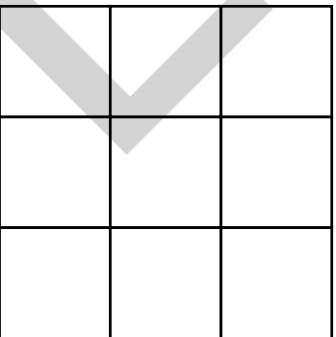
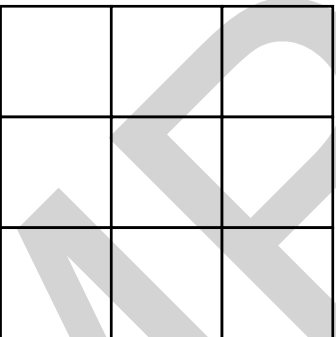
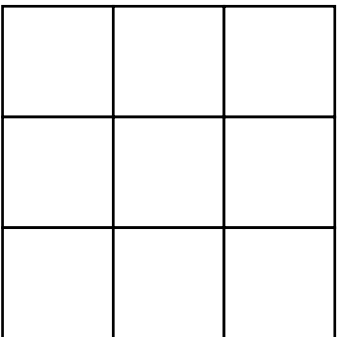
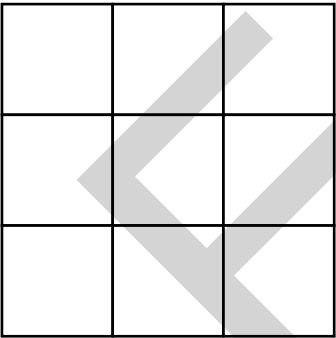
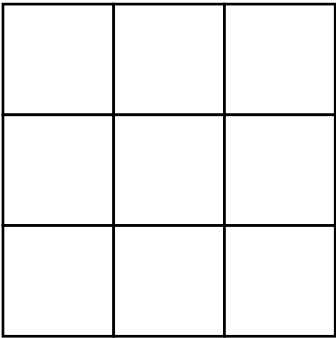
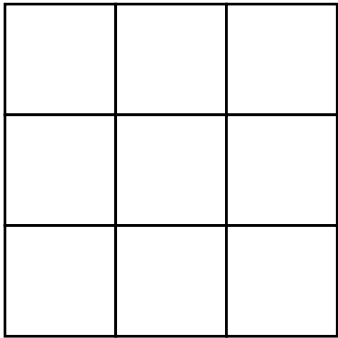
NUMBER Multiplication and division

BLM 25

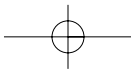
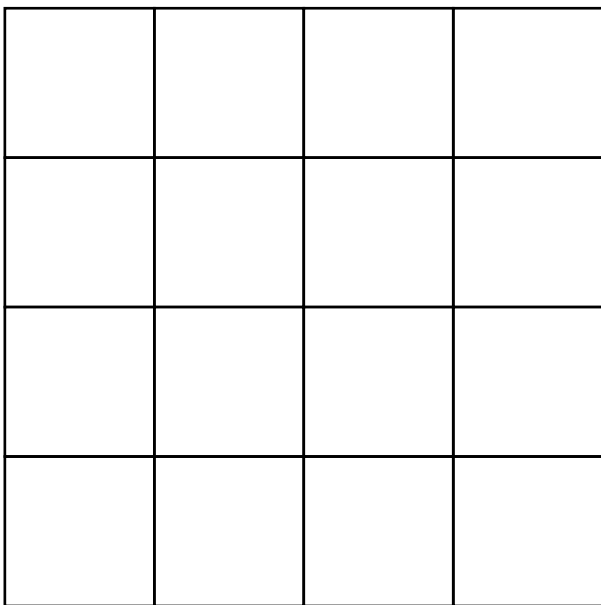
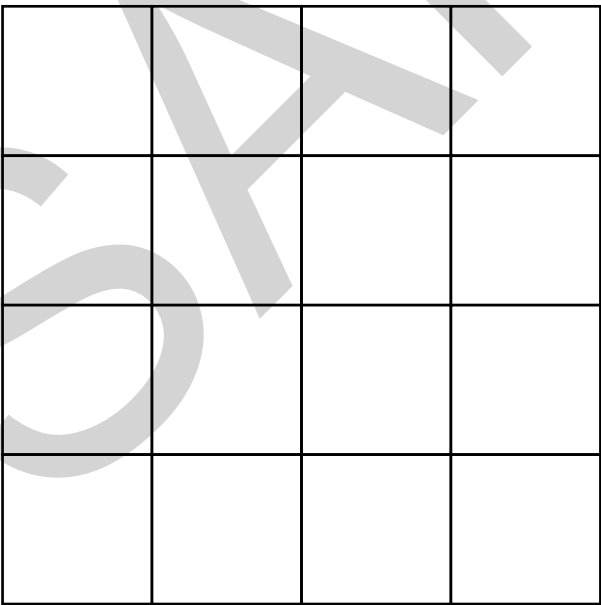
Noughts and Crosses

CARD 37

1 **WORKING MATHEMATCIALLY:** Use the 3 x 3 square grids to play the six games.



2 **INVESTIGATION:** Use the 4 x 4 square grids to play two games.





NUMBER Multiplication and division

BLM 26

The Giant Claw

CARD 38

- 1** Colour the table of 2s to 100.
- 2** Circle the table of 4s to 100.
- 3** What do you notice about the pattern?

.....

.....

.....

.....

.....

.....

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

- 4** Help find the hidden sign in the table below. Colour boxes with the same answers in the same colour. (For example, colour all the answers that are 24 in red, all the answers that are 20 in green.)

The hidden sign is

6 x 4	4 x 5	8 x 2	5 x 4	4 x 6
7 x 4	12 x 2	3 x 3	8 x 3	4 x 4
10 x 2	7 x 4	4 x 6	3 x 7	9 x 3
4 x 10	2 x 12	3 x 7	3 x 8	5 x 2
3 x 8	0 x 5	8 x 2	9 x 2	2 x 12

- 5** Using your calculator constant, start with

4	x	x	=
---	---	---	---

. Continue to press

=

.

How many times can you press it before the screen overflows?

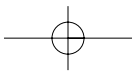
- 6** Try it with

5	x	x	=
---	---	---	---

 and

6	x	x	=
---	---	---	---

. What is the pattern?



NUMBER Multiplication and division

BLM 27

Groups of Seven

CARD 39

1 Multiply mentally to get Freida the frog across the lily pads.



6
X 5

9
X 4

3
X 9

4
X 3

7
X 8

6
X 3

7
X 9

2
X 5

4
X 7

6
X 9

8
X 8

10
X 3

5
X 4

7
X 6

9
X 8

0
X 10

9
X 9

5
X 6

4
X 10

9
X 6

3
X 5

8
X 4

7
X 7

2 Complete this multiplication grid to check the answers above. Colour patterns in the tables of 3, 6 and 9.

X	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

9

+

2

9

8

4

6

3

7

10

5

1

2

3

4

5

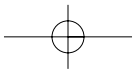
6

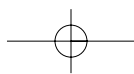
7

8

9

10





9
+ 2
8
4
6
3

NUMBER Multiplication and division

BLM 28

Japanese Spider Crabs

CARD 40



The Japanese spider crab has 8 legs and 2 claws.

1 Complete the multiplication facts of 8 below.

$1 \times 8 = \dots\dots\dots$	$6 \times 8 = \dots\dots\dots$
$2 \times 8 = \dots\dots\dots$	$7 \times 8 = \dots\dots\dots$
$3 \times 8 = \dots\dots\dots$	$8 \times 8 = \dots\dots\dots$
$4 \times 8 = \dots\dots\dots$	$9 \times 8 = \dots\dots\dots$
$5 \times 8 = \dots\dots\dots$	$10 \times 8 = \dots\dots\dots$

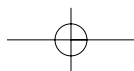
2 Complete the related division facts below.

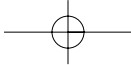
$8 \div 8 = \dots\dots\dots$	$\dots\dots\dots \div 8 = 6$
$16 \div 8 = \dots\dots\dots$	$56 \div 8 = \dots\dots\dots$
$\dots\dots\dots \div 8 = 3$	$\dots\dots\dots \div 8 = 8$
$\dots\dots\dots \div 8 = 4$	$\dots\dots\dots \div 8 = 9$
$\dots\dots\dots \div 8 = 5$	$\dots\dots\dots \div 8 = 10$

3 Write a multiplication word problem involving the legs of a number of Japanese spider crabs for a classmate to solve.

.....

.....





NUMBER Multiplication and division

BLM 30

Loaves of Bread

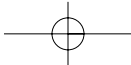
CARD 43

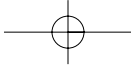
1 Write and solve a word problem to suit each multiplication number sentence.

- a) $18 \times 4 =$
- b) $21 \times 3 =$
- c) $17 \times 5 =$
- d) $32 \times 7 =$

2 Write and solve a word problem to suit each division number sentence.

- a) $45 \div 9 =$
- b) $24 \div 8 =$
- c) $36 \div 12 =$
- d) $100 \div 10 =$





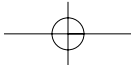
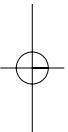
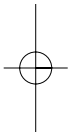
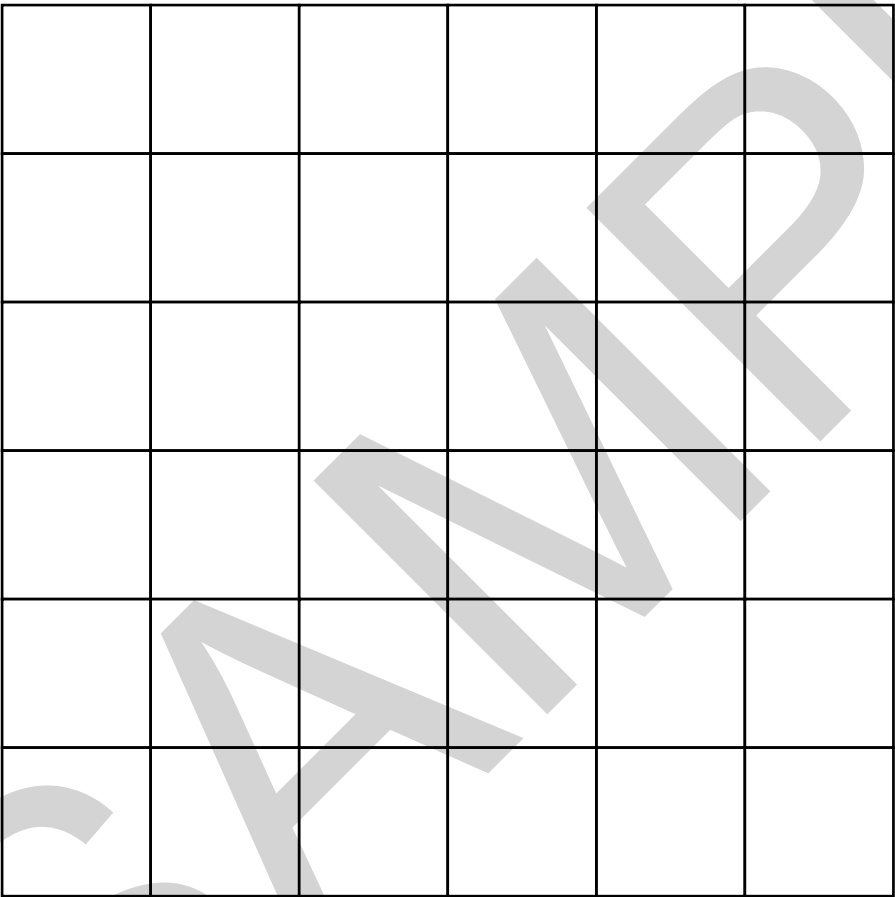
NUMBER Multiplication and division

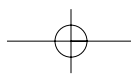
BLM 31

The Glass Wall

CARD 45

Use the grid below to complete the Investigation activities.





NUMBER Multiplication and division

BLM 32

Square Numbers

CARD 48

1 Draw arrays of crosses which show that 9 and 36 are square numbers.

2 Which square number follows 49? How do you know?

.....

.....

3 List all the square numbers up to and including 100.

.....

4 Closely examine the list of numbers in Question 3. Describe the pattern shown in the differences between each successive square number.

.....

.....

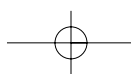
5 Using a calculator, find all the square numbers between 100 and 1000 and list them.

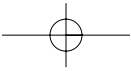
.....

.....

.....

6 In the space below, using an array and two different colours, show that the square number 64 is made up of two triangular numbers, 28 and 36.





NUMBER Multiplication and division

BLM 33

Filled-in Rectangles

CARD 50

INVESTIGATION: Complete the table with your results.

NUMBER	IS IT POSSIBLE TO MAKE A FILLED-IN RECTANGLE? YES OR NO	NUMBER OF ROWS IN YOUR FILLED-IN RECTANGLE	NUMBER OF COLUMNS IN YOUR FILLED-IN RECTANGLE	MULTIPLICATION NUMBER SENTENCE BASED ON YOUR FILLED-IN RECTANGLE
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

3

6

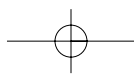
4

8

9

2

35



9
+ 2
= 11
8
4
6
3

NUMBER Fractions and decimals

BLM 34

Pocket Money

CARD 51

Liam's Piggy Bank



1 Liam emptied out his piggy bank. The illustration above shows what he found inside. How much money was there altogether?

.....

2 What fraction of the total amount was in \$1.00 coins?

.....

3 What fraction of Liam's total amount of pocket money was in 20 cent coins?

.....

4 What fraction of a 20 cent coin is a 5 cent coin?

.....

5 What fraction of a \$1.00 coin is a 10 cent coin?

.....

6 What fraction of a 20 cent coin is a 10 cent coin?

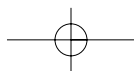
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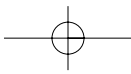
7 What fraction of a \$1.00 coin is a 20 cent coin?

.....

8 What fraction of \$1.00 are one 10 cent coin and one 20 cent coin together?

.....





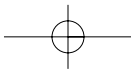
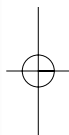
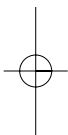
NUMBER Fractions and decimals

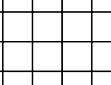
BLM 35

Floral Fractions

CARD 52

- 1** Shade three-eighths of the above grid green, one-eighth of the grid red, one-quarter of the grid yellow and two-eighths of the grid blue.
- 2** Draw a bunch of eight flowers. Colour two-eighths yellow, three-eighths blue and three-eighths red.
- 3** Draw a ring around the flowers in Question 2 which make three-quarters of 8.
- 4** Draw a full carton of a dozen eggs. Put a cross on one-half of the eggs. Put a tick on one-quarter of the eggs. Draw a coloured pattern on the remaining one-quarter.
- 5** Draw a picket fence with 16 palings on it. Paint half of them brown. Paint one-quarter green and two-eighths red.





2

3

4
