

Solutions

Cambridge

Mental Maths

Grade 1



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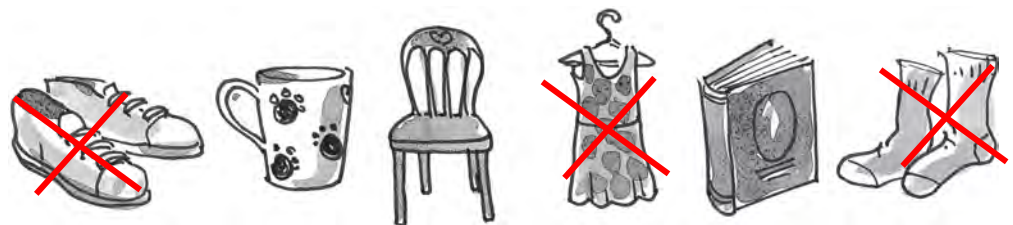
Activity 1 Sorting objects

Make a cross on the ones that **belong together**.

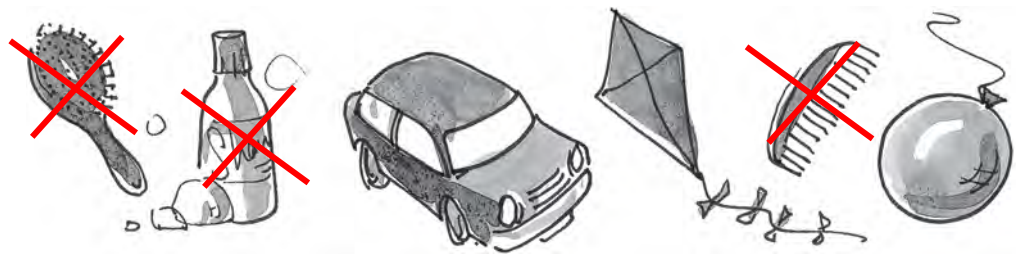
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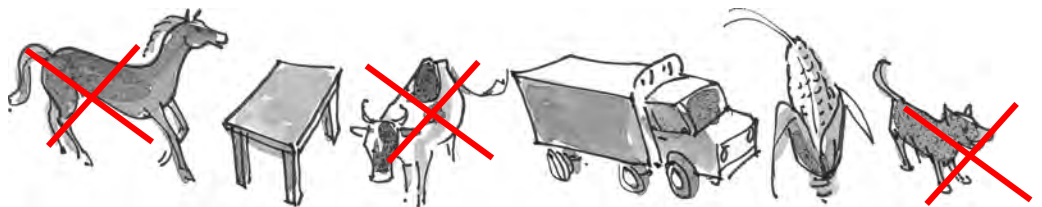
2.



3.



4.



5.



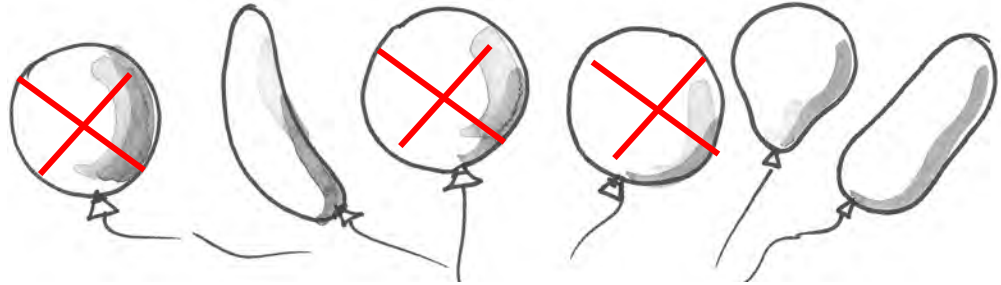
Write your total
out of 5:



Activity 2 Sorting objects and shapes

Make a cross on the ones that **belong together**.

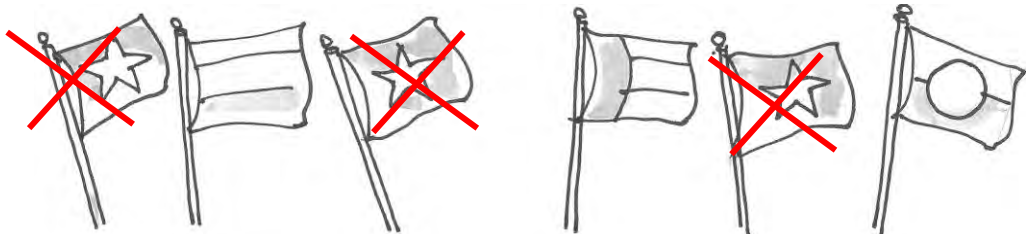
1.



2.



3.



4.



5.



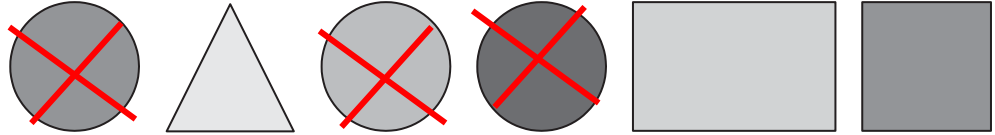
Write your total
out of 5:



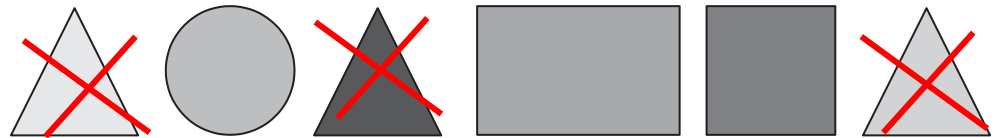
Activity 3 Sorting shapes

Make a cross on the ones that **belong together**.

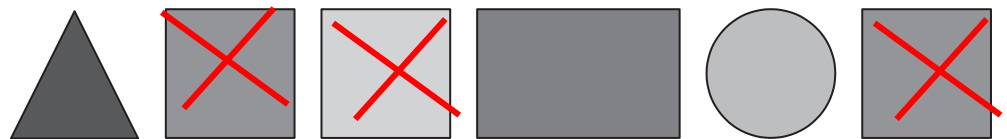
1.



2.



3.



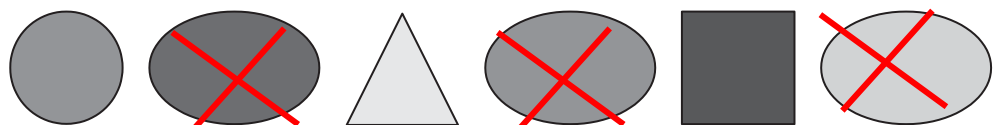
4.



Write your total
out of 5:



5.



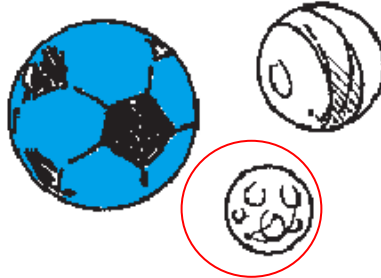
Activity 4 Big and small

Colour the big one and circle the small one.

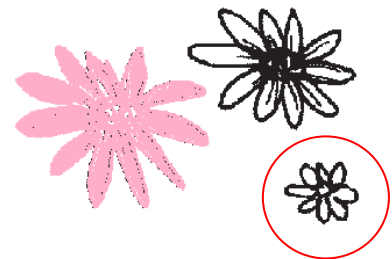
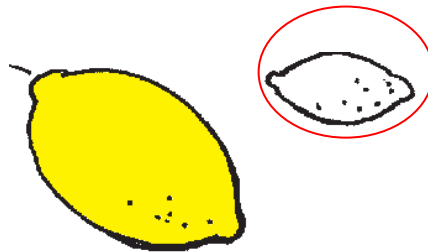
Big

Small

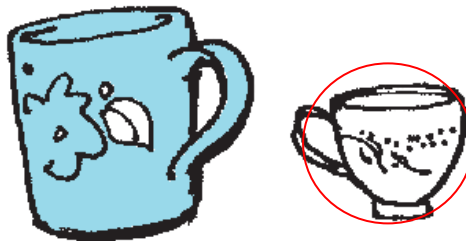
1.



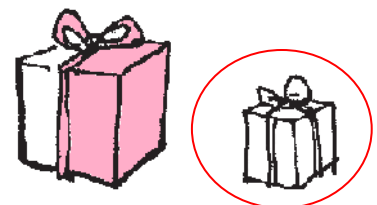
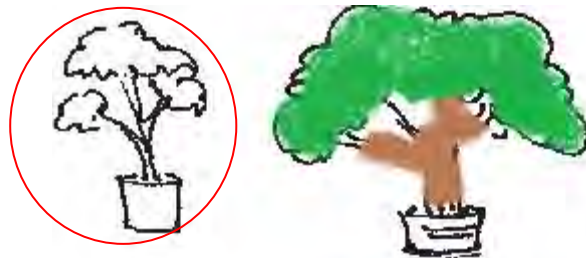
2.



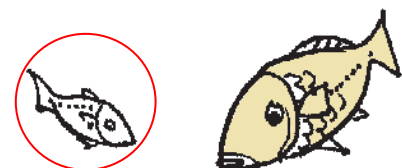
3.



4.



5.



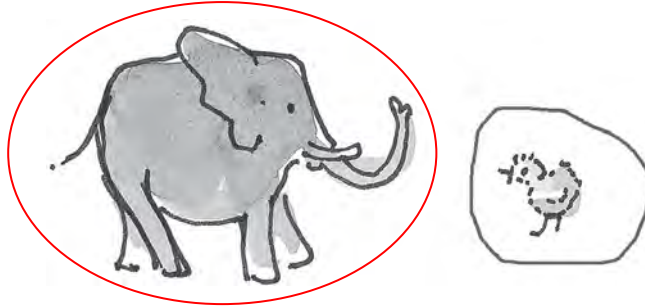
Write your total
out of 5:



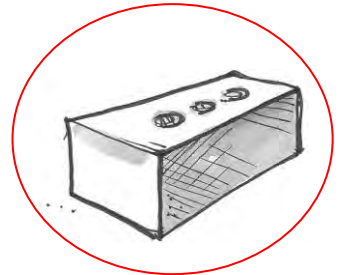
Activity 5

Mass

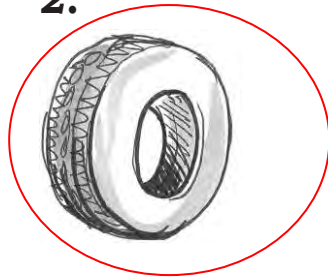
Circle the one that is the **heaviest**.



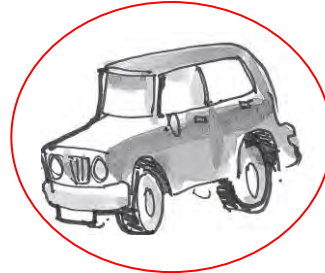
1.



2.



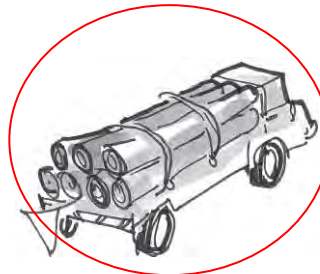
3.



4.



5.



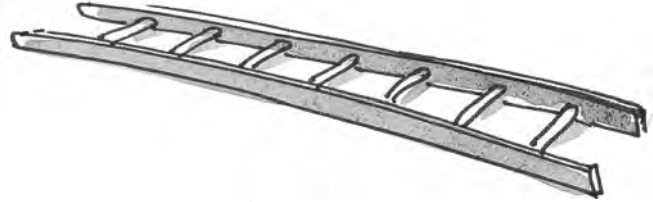
Write your total
out of 5:



Activity 6 Length

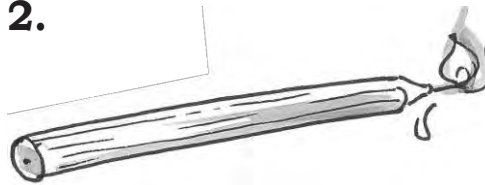
Tick the one that is **long** or **tall**.

1.



✓

2.



✓



3.

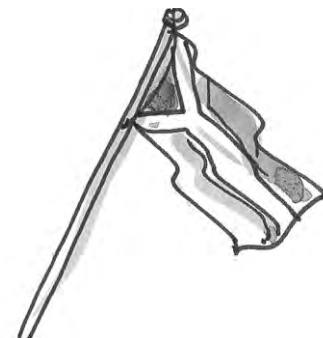


✓

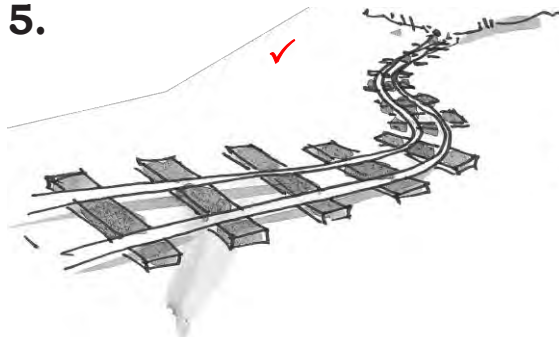
4.



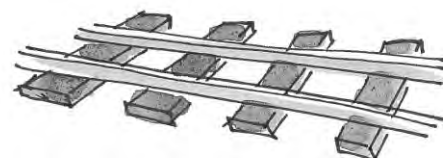
✓



5.



✓



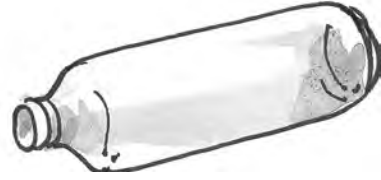
Write your total
out of 5:



Activity 7 Capacity

Tick the one that is **empty**.

1.



✓

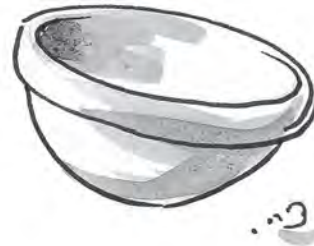
2.



✓



3.



✓

4.



✓

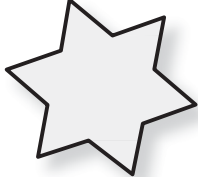
5.



✓



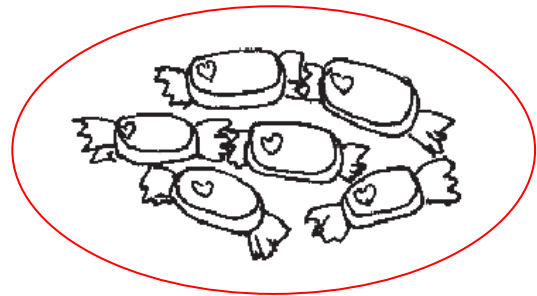
Write your total
out of 5:



Activity 8 Many and few

Circle the **many** and colour the **few**.

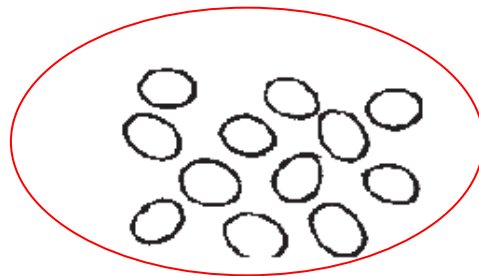
1.



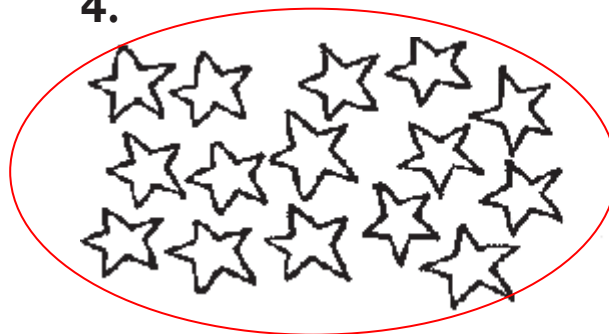
2.



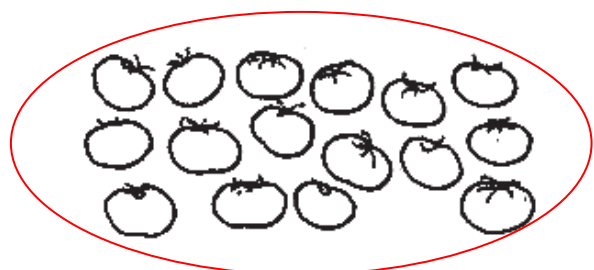
3.



4.



5.



Write your total
out of 5:

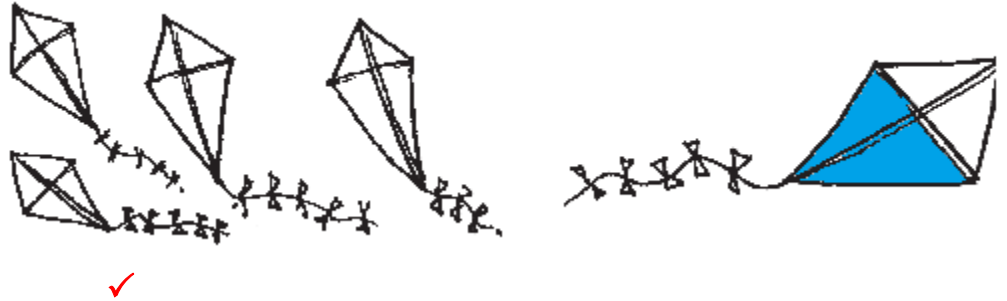


Activity 9

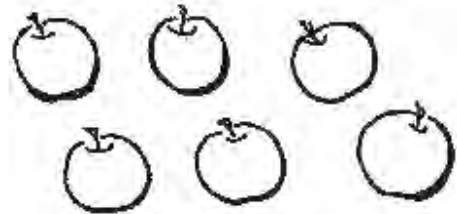
One and many

Tick the **many** and colour the **one**.

1.



2.



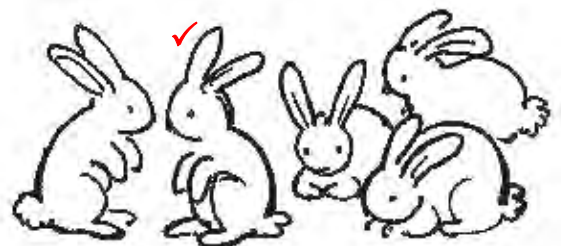
3.



4.



5.



Write your total
out of 5:



Activity 10 The same

Tick the ones that are **the same**.

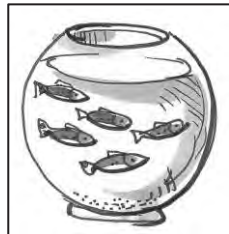
1.



2.



3.



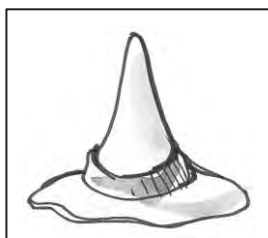
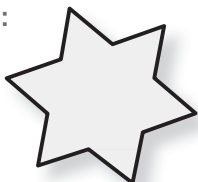
4.



5.

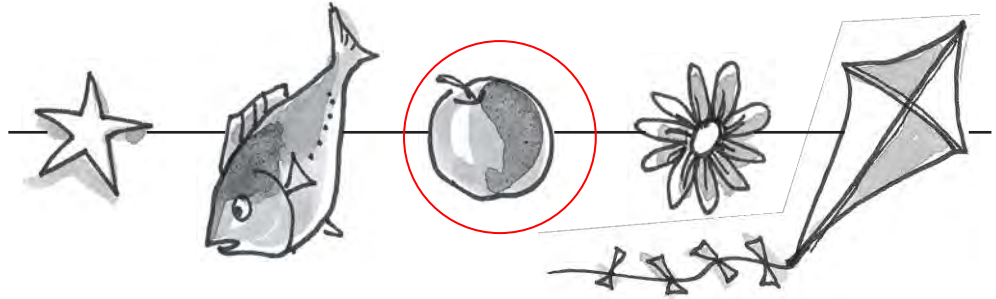
Write your total out of

5:

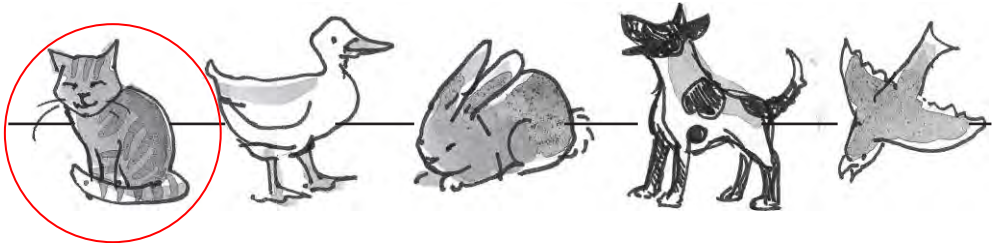


Activity 11 Vocabulary

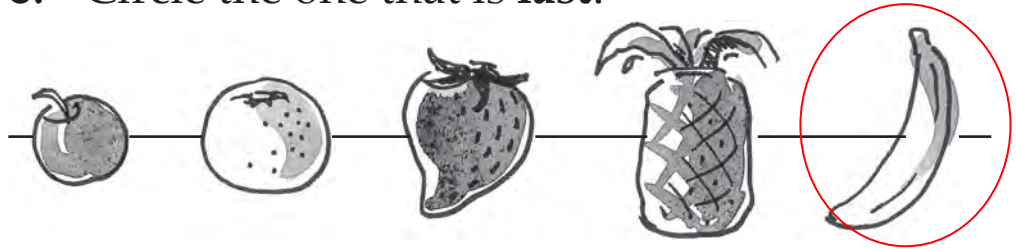
1. Circle the one in the **middle**.



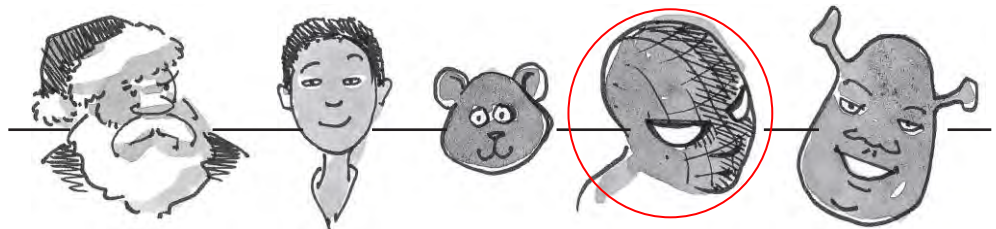
2. Circle the one that is **first**.



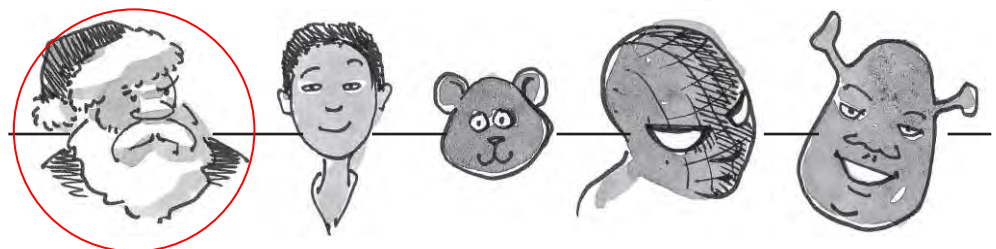
3. Circle the one that is **last**.



4. Circle the one that is **after** the .



5. Circle the one that is **before** .



Write your total
out of 5:



Activity 12 More and less

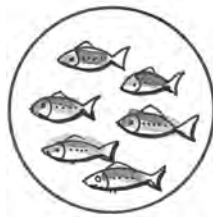
1. Which is more? Make a cross.



2. Which is more? Make a cross.



3. Which is less? Make a cross.



4. Which is less? Make a cross.



5. Which is more? Make a cross.



Write your total
out of 5:



Activity 13 Patterns

Finish the patterns.

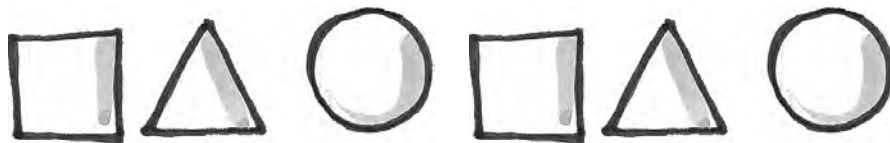
1.



2.



3.



4.



5.

Write your total
out of 5:



Activity 14 Counting

Count. Write down the number.

1.



3

2.



5

3.



2

4.



1

5.



4

Write your total
out of 5:



Activity 15 One moreDraw **one more**. Write the number.

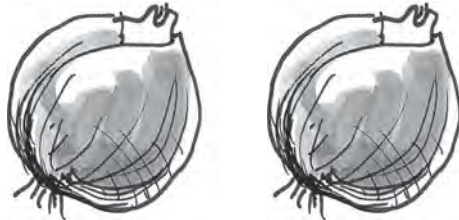
1.

3

2.

5

3.

2

4.

4Write your total
out of 5:

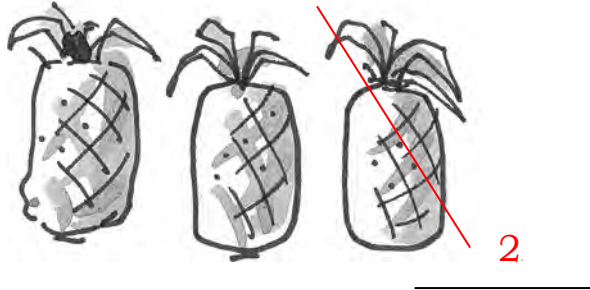
5.

6

Activity 16 One less

Take **one** away. Write the number.

1.



2.



3.

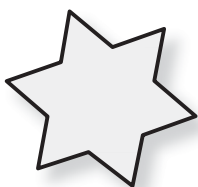


4.



5.

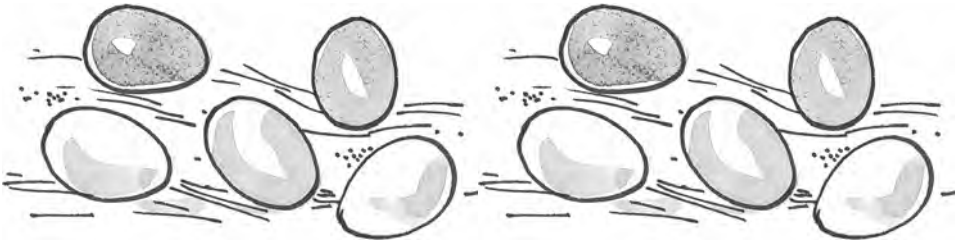
Write your total out of 5:



Activity 17 Equal

Draw just as many. Write the number.

1.



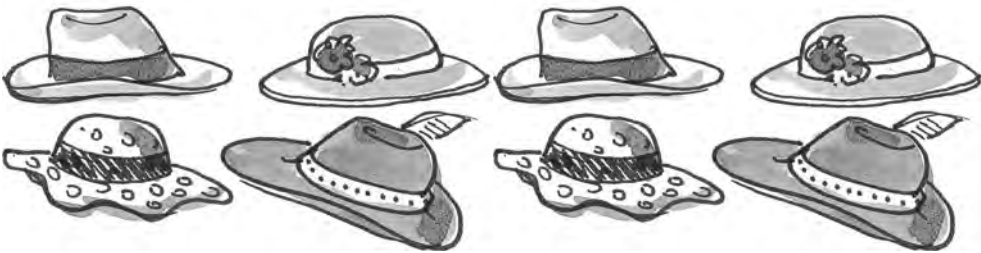
10

2.



6

3.



8

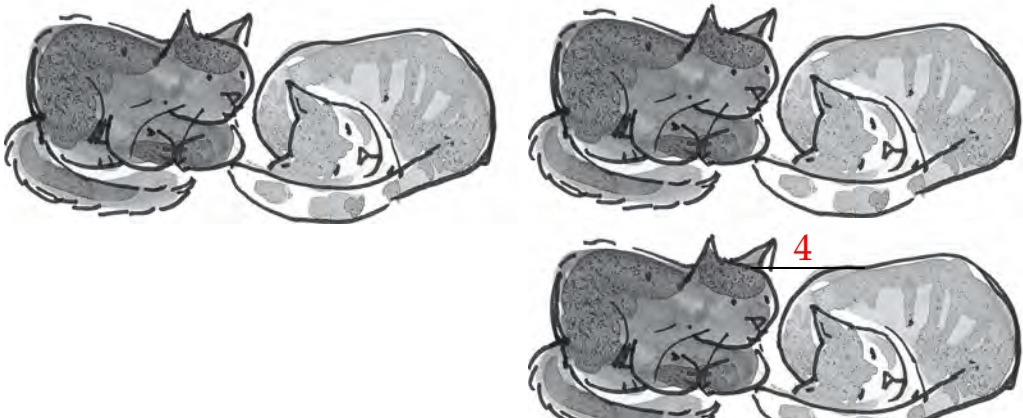
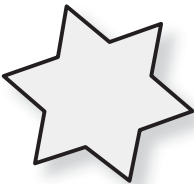
4.



2

5.

Write your total out of 5:

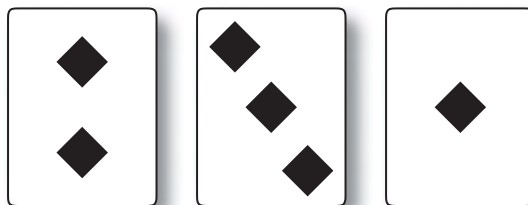


4

Activity 18 Order numbers

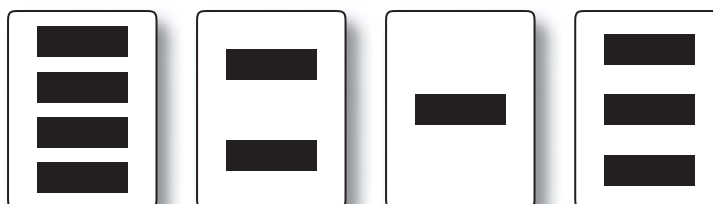
Write the numbers in the correct order.

1.



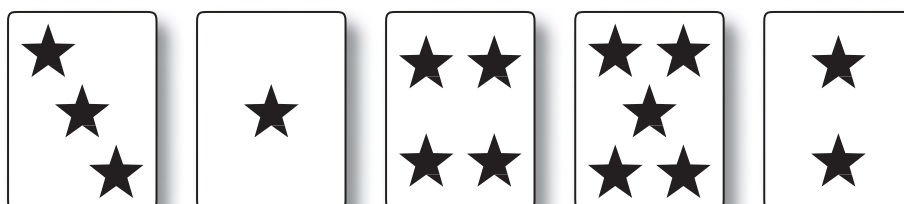
1; 2; 3

2.



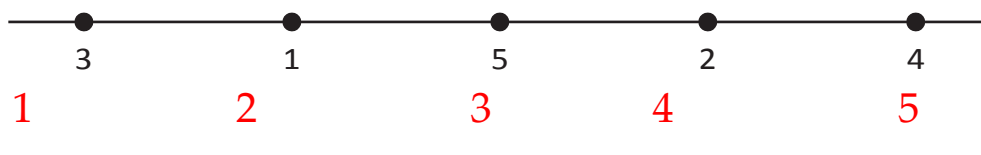
1; 2; 3; 4

3.

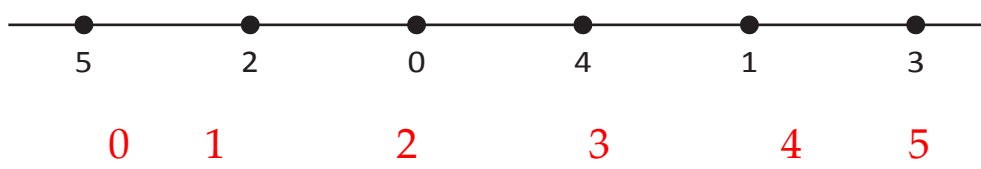


1; 2; 3; 4; 5

4.



5.



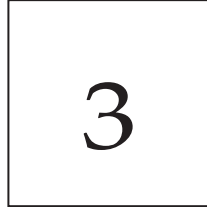
Write your total
out of 5:



Activity 19 **Number names**

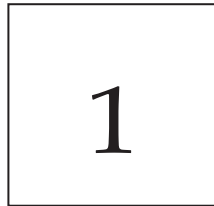
Write down the number names.

1.



Three

2.



one

3.



five

4.



two

5.



four

Write your total
out of 5:



Activity 20 **Missing numbers**

Write down the missing numbers.

1.

0	1	2	3	4	5
---	---	---	---	---	---

2.

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

3.

5	6	7	8	9	10
---	---	---	---	---	----

4.

0	1	2	3	4	5	6	7
---	---	---	---	---	---	---	---

Write your total
out of 5:**5.**

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

Activity 21 Before and after

What comes **before** and **after**?

1. 9 is before 10.

2. 6 is before 7.

3. 5 is after 4.

4. 9 is after 8.

Write your total
out of 5:



5. 5 is before 6.

Activity 22 Comparing numbers**Write down a number:****bigger than****smaller than****1.**

5	6
---	---

9	8
---	---

6

2.

2	3
---	---

6

6	5
---	---

6

3.

9	10
---	----

6

10	9
----	---

6

4.

4	5
---	---

6

7	6
---	---

3

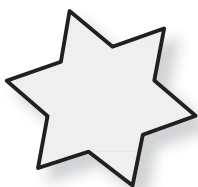
6

5.

Write your total out of 5:

6	7
---	---

6



	3
5	4
	6

Activity 23 Comparisons

1. 2 more than 5 is 7

2. 3 more than 3 is 6

3. 2 less than 8 is 6

4. 3 less than 10 is 7

Write your total
out of 5:



5. more than 6 is 7

Activity 24 **Number concept**

1. $2 = 1 + 1$

2. $3 = 2 + \underline{1}$

3. $3 = 0 + \underline{3}$

4. $2 = 2 + \underline{0}$

Write your total
out of 5:



5. $3 = 1 + \underline{2}$

Activity 25 **Addition up to 4**

1. $2 + \textcolor{red}{2} \underline{\hspace{1cm}} = 4$

2. $1 + \textcolor{red}{3} \underline{\hspace{1cm}} = 4$

3. $0 + \textcolor{red}{4} \underline{\hspace{1cm}} = 4$

4. $3 + \textcolor{red}{1} \underline{\hspace{1cm}} = 4$

5. $4 = \underline{\textcolor{red}{2}} + 2$

Write your total
out of 5:



Activity 26 **Addition up to 5**

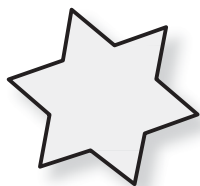
1. $5 = 1 + \underline{4}$

2. $3 + \underline{2} = 5$

3. $0 + \underline{5} = 5$

4. $2 + \underline{3} = 5$

Write your total
out of 5:



5. $4 + 1 = \underline{\quad}$

Activity 27 **Add three digits**

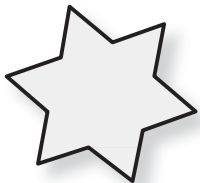
1. $2 + 1 + 0___ + 1 = 4$

2. $1 + 4 + 0 = \underline{5}______$

3. $1 + 0 + 2 = \underline{3}______$

4. $\underline{2}______ + \underline{2}______ + \underline{1}______ = 5$

Write your total
out of 5:



5. $5 = 2 + 2______ + 1______$

Activity 28 **Take away**

1. $2 - 1 = \underline{1}$

2. $3 - 2 = \underline{1}$

3. $3 - 0 = \underline{3}$

4. $3 - 1 = \underline{2}$

Write your total
out of 5:



5. $2 - 2 = \underline{0}$

Activity 29 **Take away from 4**

1. $4 - 2 = \underline{2}$

2. $4 - 0 = \underline{4}$

3. $4 - 3 = \underline{1}$

4. $4 - 1 = \underline{3}$

Write your total
out of 5:



5. $4 - 4 = \underline{0}$

Activity 30 **Take away from 5**

1. $5 - 1 = \underline{4}$

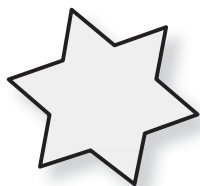
2. $5 - 3 = \underline{2}$

3. $5 - 0 = \underline{5}$

4. $5 - 2 = \underline{3}$

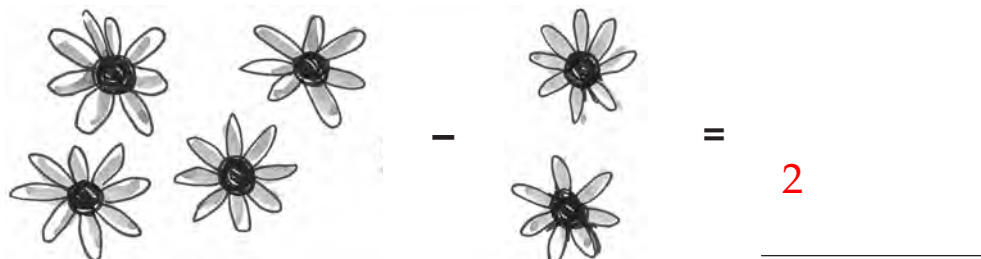
5. $5 - 4 = \underline{1}$

Write your total
out of 5:



Activity 31 Problem solving

1.



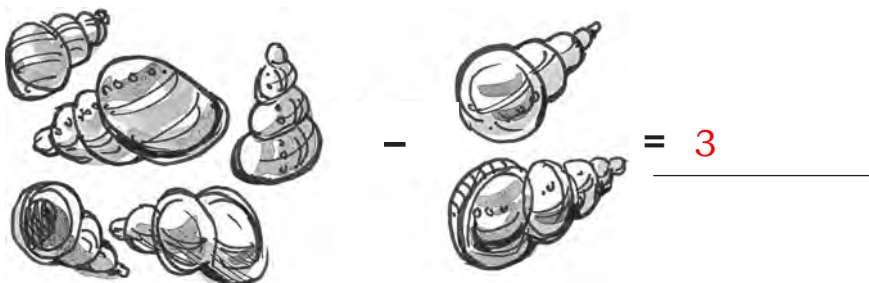
2.



3.



4.



5.



Write your total
out of 5:



Activity 32 Add and subtract

Complete the tables.

1.

Add	$2 + 1$	$0 + 5$	$3 + 2$	$1 + 1$
=	3	5	5	2

2.

Add	$1 + 1$	$0 + 1$	$2 + 2$	$3 + 1$	$1 + 2$	$4 + 1$
=	2	1	4	4	3	5

3.

Add	$2 + 1$	$3 + 0$	$0 + 5$	$3 + 2$	$4 + 1$	$0 + 4$	$3 + 1$	$2 + 3$	$2 + 2$
=	3	3	5	5	5	4	4	5	4

4.

Minus	$3 - 1$	$3 - 3$	$3 - 2$	$2 - 1$	$2 - 2$	$1 - 0$
=	2	0	1	1	0	1

5.

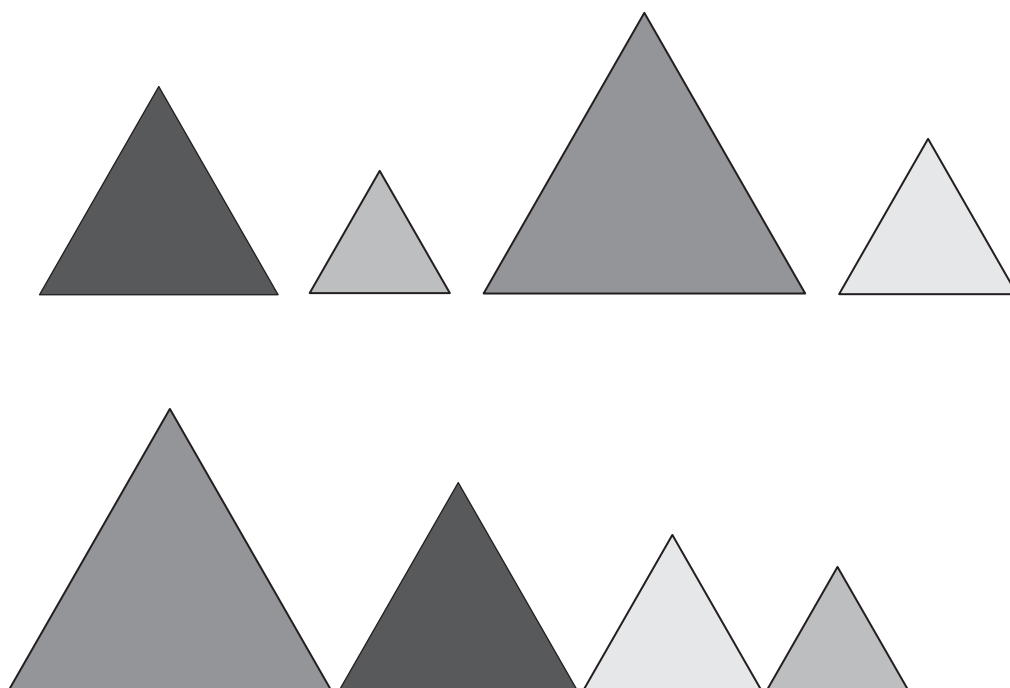
Minus	$5 - 2$	$4 - 1$	$5 - 3$	$4 - 2$	$5 - 5$	$4 - 3$
=	3	3	2	2	0	1

Write your total
out of 5:



Activity 1 Patterns and sequencing

1. Copy from the biggest to the smallest.



2. Count. Write the missing numbers.

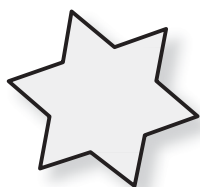
1	2	3	4	5	6	7
8	9	10	11	12	13	14

3. _____ **11** is before 12.

9 _____ is before 10.

Write your total
out of 5:

4.



5. Write the number name 4. **Four** _____

Activity 2 Pattern and shape

1. Count. Write the missing numbers:

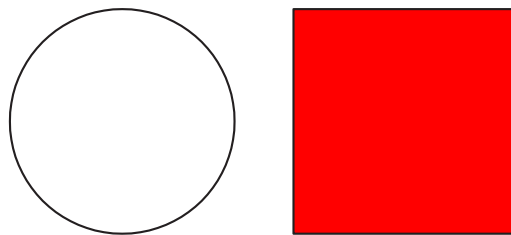
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

2. Equal to?



4

3. Colour the square.



4. How many?



6

5. 1 more than 5 = 6

Write your total
out of 5:



Activity 3 **Counting and capacity****1.** Count backwards:

10 9 8 7 6 5

2. Circle the **most**:

3

7

4

3. I have 4 sweets, I eat 3 sweets.
How many sweets are left? **1**

4. Circle the **full** cup:

Write your total
out of 5:

**5.** $5 - 2 =$ **3**

Activity 4 Patterns and number names

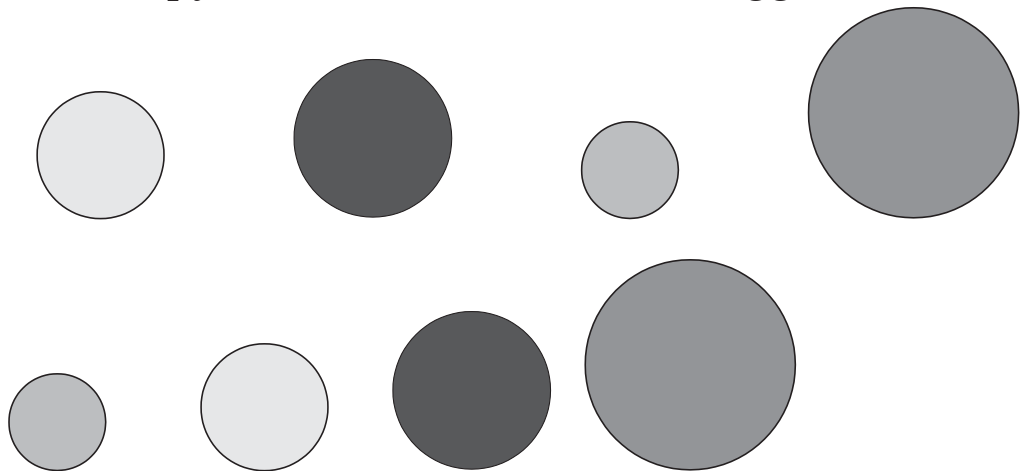
1. Write the number names:

10	Ten
2	two

2. Count in twos:

0 2 4 6 8 10 12 14 16
 — — — — — — — — — —

3. Copy from the smallest to the biggest:



4. Complete:

$2 + 1 =$	3
$0 + 2 =$	2
$1 + 1 =$	2
$1 + 0 =$	1

5. Which bag has the **least**? Tick ^{k.}

Write your total
out of 5:

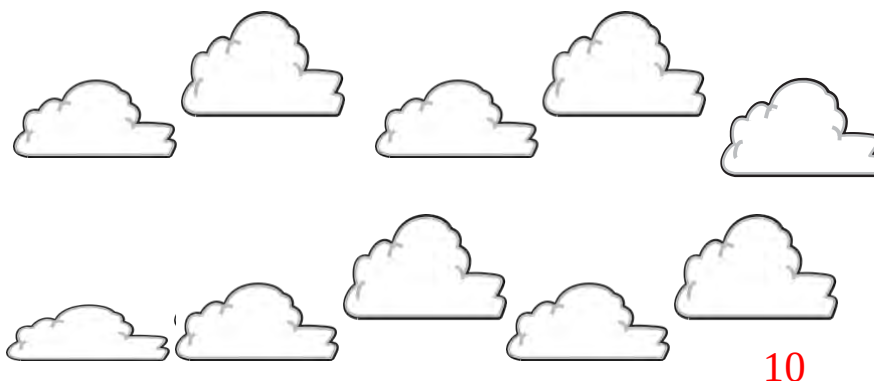


Activity 5 Problem solving

1. Do the sum on the number line: $3 + 2$



2. Draw **just as many**. Write the number.



3. Draw **just as many** circles as the word **nine**. Write the number.



nine = 9

4. Complete:

$3 - 1 =$	<u>2</u>
$3 - 0 =$	<u>3</u>
$3 - 3 =$	<u>0</u>
$3 - 2 =$	<u>1</u>

Write your total
out of 5:



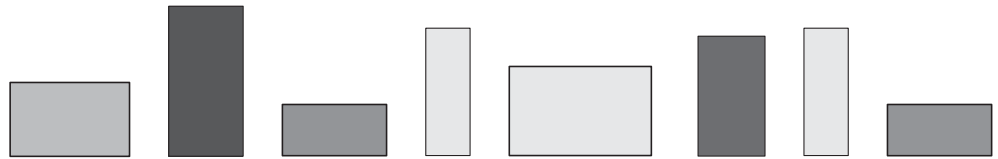
5. I have 5c, I lose 2c.

How many cents do I have left? 3c

Activity 7 **Number skills****1.**

Count the apples.

1 2 3 4 5 6 7 8

2. 1 more than 8 = 9**3.** 2 more than 9 = 11**4.**Half of 8 = 4Write your total
out of 5:**5.** Double 2 = 4

Activity 8 Addition to 6

1. $5 + 1 = \underline{6}$

2. $4 + 2 = \underline{6}$

3. $3 + 3 = \underline{6}$

4. $2 + 4 = \underline{6}$

Write your total
out of 5:



5. $6 + 0 = \underline{6}$

Activity 9 **Problem solving**

1. I share 4 lollipops with 2 friends.
How many lollipops does each friend get?

_____ 2 _____

2. I have 5 coins, I get 1 more.
How many coins do I have in total?

_____ 6 _____

3. $6 - 3 =$ 3 _____

4. $6 - 2 =$ 4 _____

Write your total
out of 5:



5. $6 - 5 =$ 1 _____

Activity 10 Numbers and time

1. 2 less than 5 = 3

2. 3 bigger than 2 = 5

3. Subtract 1 from 6 = 5

4. What is after 8? 9

Write your total
out of 5:



5. Today is (learner to write day of the week when exercise done)

Activity 11 Counting and numbers

1. Count back. Write in the missing numbers.

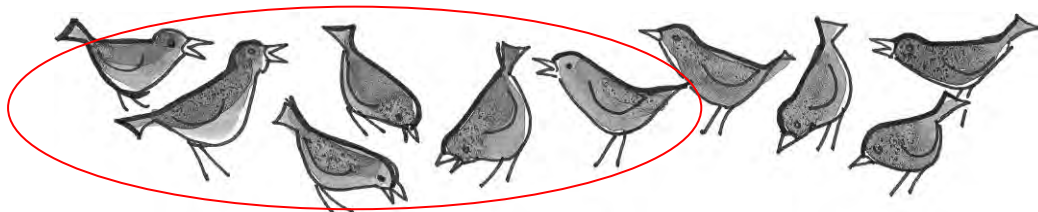
20	19	18	17	16	15	14	13	12	11
10	9	8	7	6	5	4	3	2	1

2. Draw $3 + 2 = \underline{\quad\quad\quad} + \underline{\quad\quad\quad} = \underline{5}$

3. Write the number name. 7

seven

4. Circle 6 birds



5. Complete the table:

$6 - 4 =$	2
$6 - 1 =$	5
$6 - 3 =$	3
$6 - 0 =$	6

Write your total
out of 5:



Activity 12 Number skills

1. Make it the same:



8

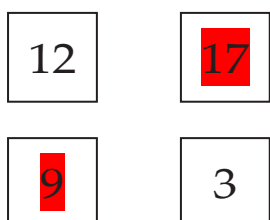
S

2.

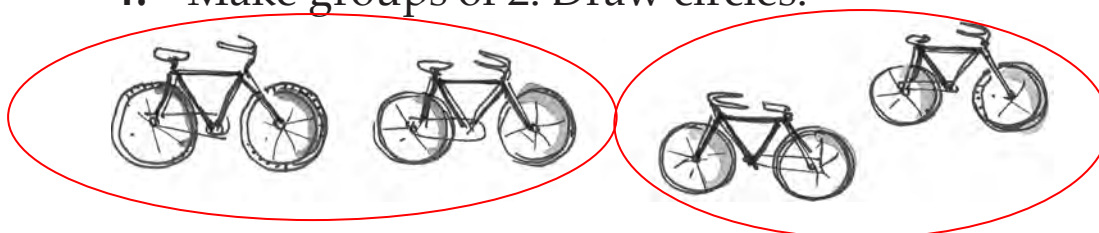


Half of 6 = 3

3. Which number is biggest? Colour it.



4. Make groups of 2. Draw circles.



5. Double 5 = 10

Write your total
out of 5:



Activity 13 Count and compare

1.



Count in twos.

2 4 6 8 10 12
 — — — — — —

2. Write the number names.

8 eight

10 ten

3. 8 is less than 9.

4. 14 is bigger than 13.

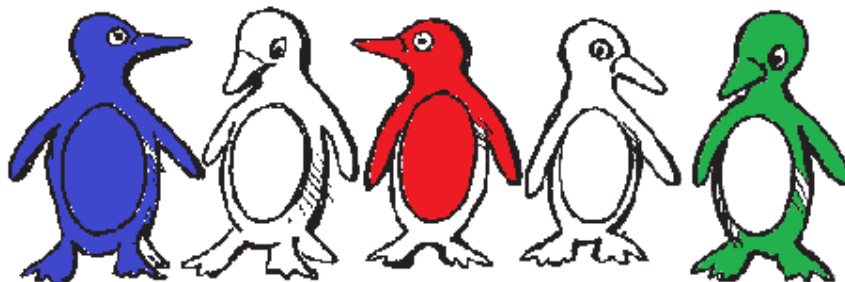
5. Sam has 4 pairs of socks. How many socks does he have altogether?



8
 —

Write your total
out of 5:



Activity 14 **Ordinals and addition****1.**

1st

2nd

3rd

4th

5th

Colour the 3rd penguin red.

Colour the 5th penguin green.

Colour the 1st penguin blue.

2. $2 + 2 + 1 = \underline{5}$

3. $3 + 2 + 1 = \underline{6}$

4. $5 + 0 + 1 = \underline{6}$

Write your total
out of 5:

5. $3 + 1 + 2 = \underline{6}$

Activity 15 **Ordinals and addition**

1. $3 \underline{\hspace{1cm}} + 3 = 6$

2. $6 = 3 \underline{\hspace{1cm}} + \underline{3} \underline{\hspace{1cm}}$

3. $4 + 1 \underline{\hspace{1cm}} + 1 \underline{\hspace{1cm}} = 6$

4. $5 + 0 \underline{\hspace{1cm}} + 1 \underline{\hspace{1cm}} = 6$

Write your total
out of 5:



5. $6 = 5 \underline{\hspace{1cm}} + 0 + \underline{1} \underline{\hspace{1cm}}$

Activity 16 Patterns and measurement

1. Count. Write in the missing numbers.

20 22 24 26 28 30 32

2. Count. Complete the chart.

20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39

3.



What time of day is it?

Circle: night morning

4.



How many cups do you think will fill the bottle?

Circle the cups. 4

5. Complete the table:

	6 - 4	3 - 3	5 - 1	5 - 1	0 - 4	2 - 4	3 - 2	6 - 5
=	2	0	4	4	0	-2	1	1

Write your total
out of 5:



Activity 17 Addition

1. $6 + 1 = \underline{7}$

2. $7 = 5 + \underline{2}$

3. $3 + 4 = \underline{7}$

Write your total
out of 5:



4. $0 + 7 = \underline{7}$

5. $2 + 5 = \underline{7}$

Activity 18 Subtraction

1. $7 - 2 = \underline{5}$

2. $7 - 1 = \underline{6}$

3. $7 - 4 = \underline{3}$

Write your total
out of 5:



4. $7 - 0 = \underline{7}$

5. $7 - 6 = \underline{1}$

Activity 19 Counting and shape

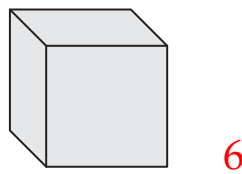
1. Count. Write in the missing numbers.

30 35 40 45 50

2. Count. Complete the sequence.

10 20 30 40 50

3. How many sides?



4. Are the sides straight or round?



5.



Write your total
out of 5:



The rabbit eats 5 carrots.
Cross them out. How many carrots are left?

2

Activity 20 Numberskills

1. Count. Write in the numbers.

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

2. Double 5 = 10

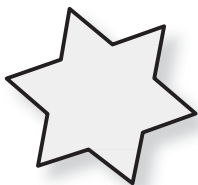
3. Half of 8 = 4

4.



Add: = 10

Write your total
out of 5:



Sum: $2 + 2 + 2 + 2 + 2 =$ 10

5. $3 + 3 + 3 =$ 9

Activity 21 **Add and subtract**

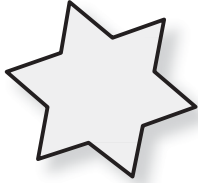
1. Add 4 to 3 = 7

2. Subtract 5 from 5 = 0

3. Subtract 2 from 6 = 4

4. Add 2 to 7 = 9

Write your total
out of 5:

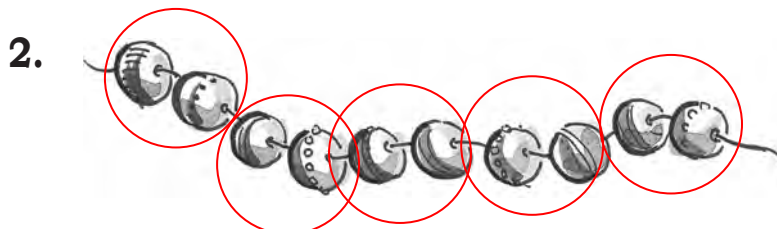


5. Subtract 6 from 7 = 1

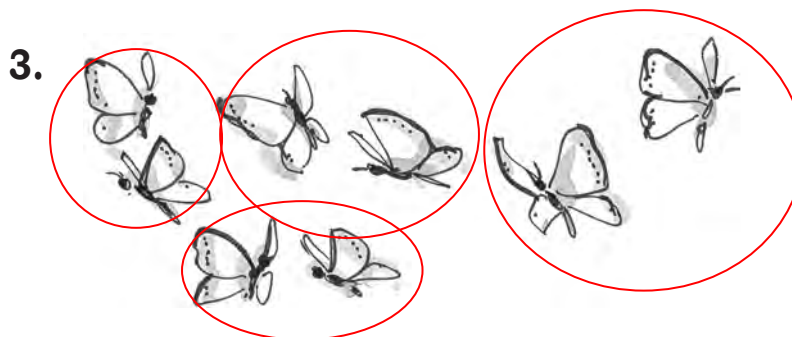
Activity 22 Grouping, halving and doubles

1. Count. Write in the numbers.

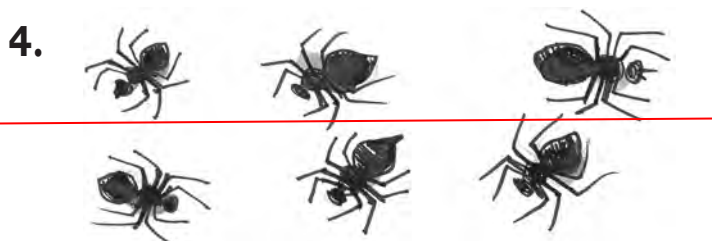
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49



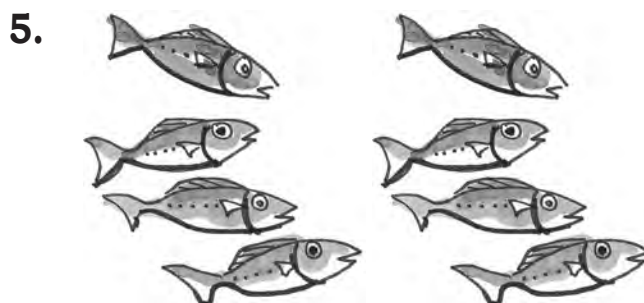
Circle groups of 2. 5 _____ groups



Circle groups of 2. 4 _____ groups

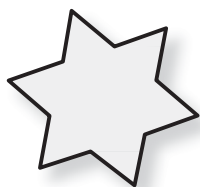


Draw a line to halve 6. Half of 6 = 3 _____

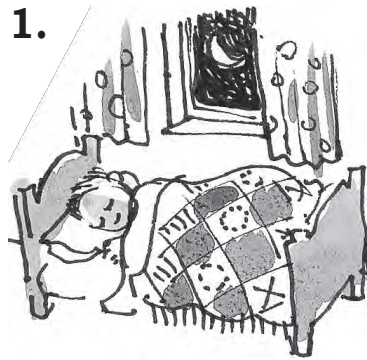


Draw more to double 4. Double 4 = 8 _____

Write your total
out of 5:

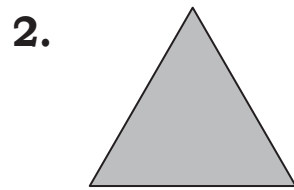


Activity 23 Time and shape

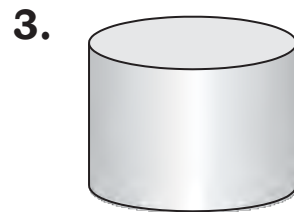


What time is it?

Circle: morning night



How many sides? 3



Round or straight sides? Round

4. Do the sum on the number line: $4 + 3 =$



5. Complete the table:

before	between	after
7	8	9
3	4	5
4	5	6

Write your total
out of 5:



Activity 24 Problem solving

1. There are 2 books in a box.
There are 4 boxes.
How many books are there altogether?

8

2. I have 2 jars. I have 5 pencils in each jar.
How many pencils do I have?

10

3. I have a 5c coin and a 2c coin.
How much money do I have?

7c

4. I share 6 bananas between 3 boys.
How many bananas does each boy get?

2

Write your total
out of 5:



5. Dad has 5 bags and mom has twice as many
as dad. How many bags does mom have?

10

Activity 25 Counting**1.** Count backwards.50 49 48 47 46 45 44**2.** Count in tens.10 20 30 40 50**3.** Count in fives.10 15 20 25 30 35 40 45 50**4.** Count in twos.2 4 6 8 10 12 14 16 18 20 22Write your total
out of 5:**5.** Write the number name. 9Nine

Activity 26 Build up numbers**1.** Build up 5.

$$5 + 0$$

$$4 + 1$$

$$2 + 3$$

2. Build up 3.

$$3 + 0$$

$$1 + 2$$

3. Build up 6.

$$5 + 1$$

$$4 + 2$$

$$3 + 3$$

$$6 + 0$$

4. Build up 4.

$$4 + 0$$

$$3 + 1$$

$$2 + 4$$

Write your total
out of 5:

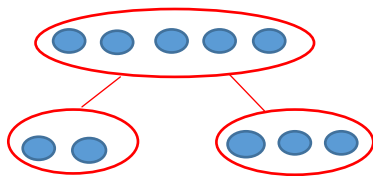
**5.** Build up 7.

$$7 + 0$$

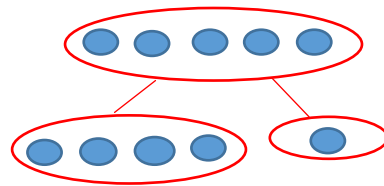
$$6 + 1$$

$$5 + 2$$

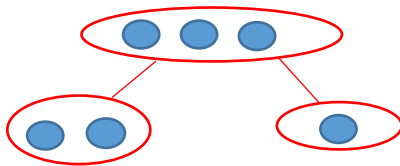
$$4 + 3$$

Activity 27 Breaking down numbers**1.** Break down 5 in two ways.

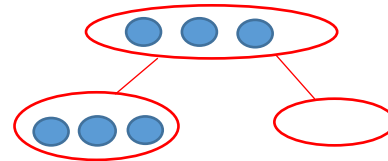
$$3 + 2 = 5$$



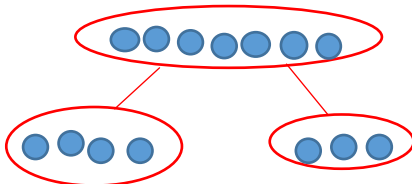
$$4 + 1 = 5$$

2. Break down 3 in two ways.

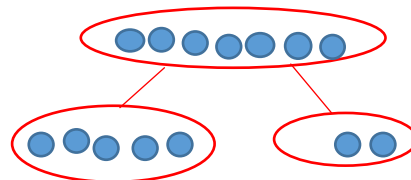
$$2 + 1 = 3$$



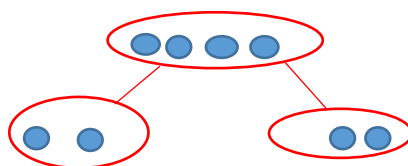
$$3 + 0 = 3$$

3. Break down 7 in two ways.

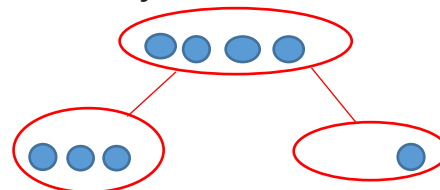
$$4 + 3 = 7$$



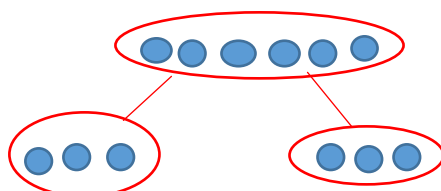
$$5 + 2 = 7$$

4. Break down 4 in two ways.

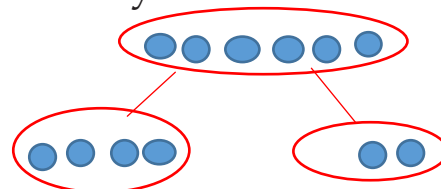
$$2 + 2 = 4$$



$$3 + 1 = 4$$

Write your total
out of 5:**5.** Break down 6 in two ways.

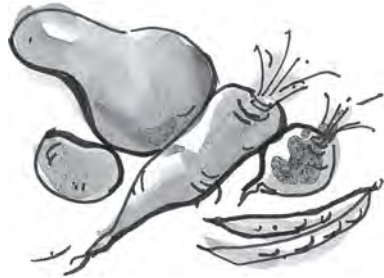
$$3 + 3 = 6$$



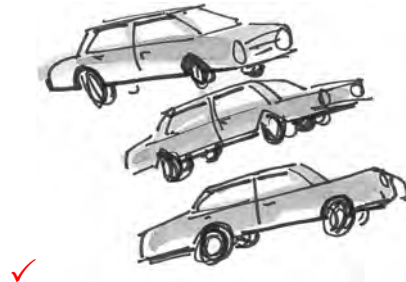
$$4 + 2 = 6$$

Activity 28 Data

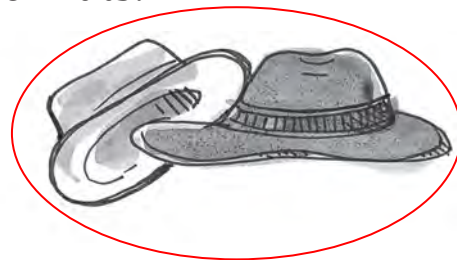
Tick the group of fruit.



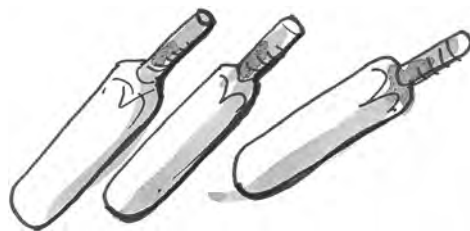
1. Tick the group of cars.



2. Circle the group of hats.



3. Tick the group of balls.



4. Put a cross on the group of coins.



Write your total
out of 5:



Activity 29 Sharing

1.



Share 10 stones amongst
5 jars.

2 stones in 1 jar.

2.

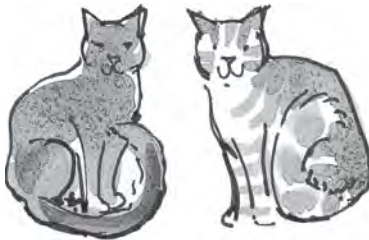


Share 6 books

amongst 3 shelves.

2 books on 1 shelf.

3.



Share 2 cats between
2 baskets.

1 cats in 1 basket.

4.



Share 4 cakes between
2 children.

2 cakes for each child.

5.



Share 2 plums between 2
boys.

1 plum for each boy.

Write your total
out of 5:



Activity 30 Vocabulary

1. Write: **more, less.**



Less

more

2. Write: **most, few, least.**



Most

few

least

3. Write: **same, different.**



Same

different

4. Write: **full, empty.**



Full

empty

Write your total
out of 5:



5. Write: **more, less or equal.**



equal

Activity 31 **Order and calculate**

1. Arrange from the smallest to the biggest.

2 6 9 3 1

1 2 3 6 9

2. Arrange from the biggest to the smallest.

5 8 10 4 1

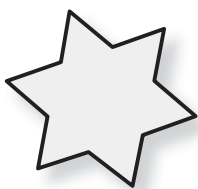
10 8 5 4 1

3. Add 5 to 2 = 7

4. Subtract 4 from 7 = 3

Write your total
out of 5:

5. Add 3 and 2 and 2 = 7



Activity 32 **Number concept**

1. $7 = 2 + \underline{5}$

2. $6 = 4 + \underline{2}$

3. $5 = \underline{3} + 2$

4. $4 = \underline{3} + 1$

Write your total
out of 5:



5. $7 = \underline{5} + 2$

Activity 1 Sequence and compare

1. Arrange the numbers from the smallest to the biggest.

10 5 3 9 2 7

2 3 5 7 9 10

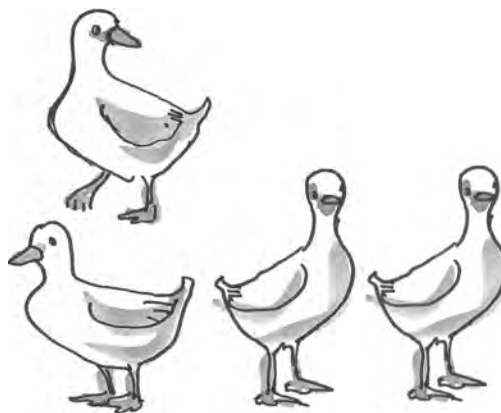
2. What is 2 more than 6? 8

3. What is 2 less than 7? 5

4. Write the number name 8.

eight

5. What comes next? Draw.



Write your total
out of 5:



4

Activity 2 **Compare numbers**

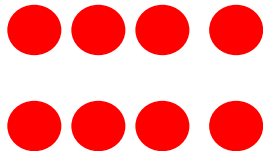
1. Count and write the missing numbers.

10	11	12	13	14	15	16	17	18	19
----	----	----	----	----	----	----	----	----	----

2. What is 1 more than 8? 9

3. What is 2 more than 8? 10

4. Draw 8 marbles.



Write your total
out of 5:

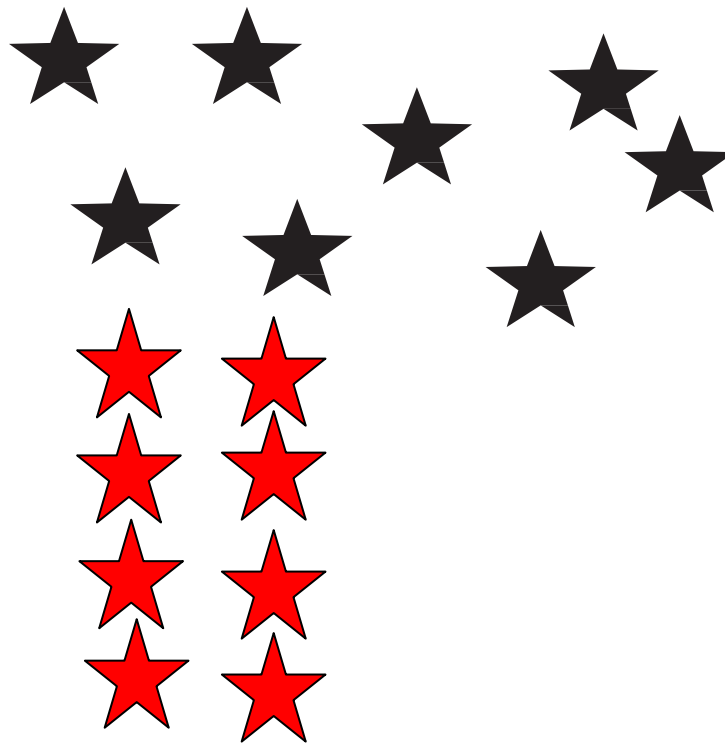


5. I have 7 pens, I get 1 more. How many pens do I have?

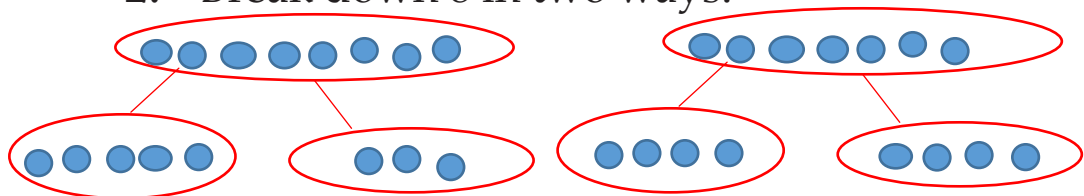
8

Activity 3 Numberskills

1. Draw it differently.



2. Break down 8 in two ways.



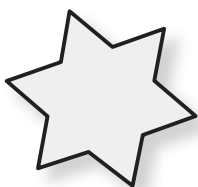
$$5 + 3 = 8$$

$$4 + 4 = 8$$

3. What is 2 more than 6? 8

4. Double 5 is 10.

Write your total
out of 5:



5. I share 8 sweets equally amongst 4 friends.
How many sweets does each friend get?

2

Activity 4 Addition to 8

1. $7 + 1 = \underline{8}$

2. $6 + 2 = \underline{8}$

3. $4 + 4 = \underline{8}$

4. $5 + 3 = \underline{8}$

Write your total
out of 5:



5. $0 + 8 = \underline{8}$

Activity 5 Number concepts

1. $8 = \underline{4} + 4$

2. $8 = \underline{6} + 2$

3. $8 = \underline{3} + 5$

Write your total
out of 5:



4. $8 = \underline{8} + 0$

5. $8 = \underline{1} + 7$

Activity 6 Subtract from 8

1. $8 - 2 = \underline{6}$

2. $8 - 7 = \underline{1}$

3. $8 - 0 = \underline{8}$

Write your total
out of 5:



4. $8 - 3 = \underline{5}$

5. $8 - 4 = \underline{4}$

Activity 7 Three digits

1. $2 + 4 + 1 = \underline{7}$

2. $3 + 2 + 3 = \underline{8}$

3. $0 + 5 + 3 = \underline{8}$

Write your total
out of 5:

4. $8 - 3 - 1 = \underline{4}$

5. $8 - 2 - 4 = \underline{2}$

Activity 8 Number value

1. $9 = \underline{5} + \underline{4}$

2. $9 = \underline{6} + \underline{3}$

3. $9 = \underline{7} + \underline{2}$

Write your total
out of 5:

4. $9 = \underline{8} + \underline{1}$

5. $9 = \underline{9} + \underline{0}$

Activity 9 **Problem solving**

1. I have 6c.
How many cents more do I need to have 9c?

3c

2. Ben is 7 years old. His brother is 2 years older. How old is his brother?

9 years old

3. Mom shares 9 pancakes amongst 3 children.
How many pancakes will each child get?

3 each

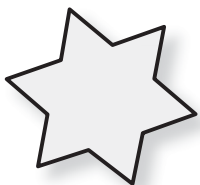
4. Sue has 4 beads, Anna has 2 and Ngoyi has 3. How many beads do they have in total?

9 beads

5. Dad gave me 9c, but I lost 5c. How much do I have left?

4c

Write your total
out of 5:



Activity 10 Subtract from 9

1. $9 - 3 = \underline{6}$

2. $9 - 7 = \underline{2}$

3. $9 - 4 = \underline{5}$

4. $9 - 9 = \underline{0}$

Write your total
out of 5:



5. $9 - 8 = \underline{1}$

Activity 11 **Number lines**

Do the number sentences on the number lines.

1. $5 + 4$



2. $7 + 2$



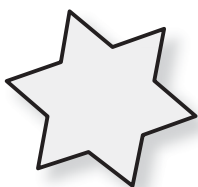
3. $3 + 6$



4. $9 - 7$



Write your total
out of 5:



5. $9 - 5$



Activity 12 Counting, shape and data

1. Count on from 18.

19 20 21 22 23

2. Complete the table:

Add	$2+3$	$4+5$	$3+4$	$8+1$	$1+7$	$9+0$	$5+2$	$4+3$	$6+2$
=	5	9	7	9	8	9	7	7	8

3. Complete the table:

Minus	$4-1$	$5-3$	$8-4$	$9-2$	$9-6$	$9-9$	$8-5$	$7-4$	$6-1$
=	3	2	4	7	3	0	3	3	5

4. Do these shapes roll? Write yes or no.

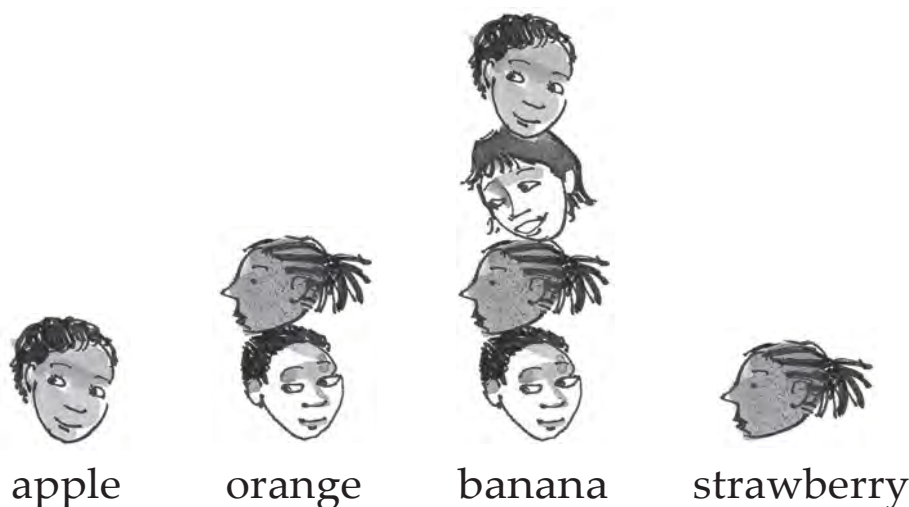


no



yes

5.



Write your total
out of 5:



banana is liked the most.

Apple and strawberry is liked the least.

Activity 13 Number and shape

1. Count on:

$$5 \longrightarrow \text{X X X X} = \underline{5}$$

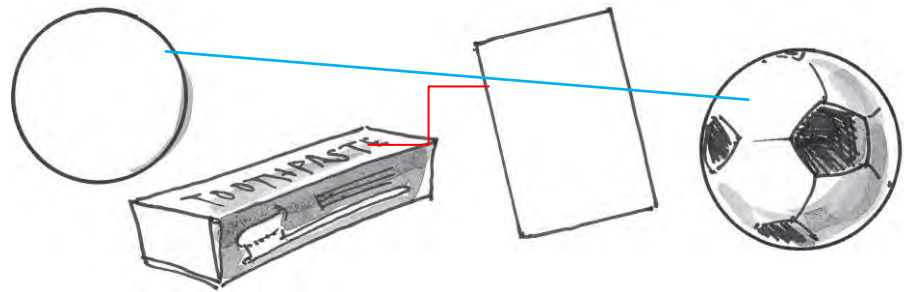
$$3 \longrightarrow \text{X X X X X X} = \underline{7}$$

2. Write in the signs: +, – and =.

$$6 + 2 = 8$$

$$9 - 2 = 7$$

3. Draw a line to match the 3-D and 2-D shapes.



4. Circle the **even** numbers.

1 2 3 4 5 6 7 8 9 10

Write your total
out of 5:



5. Do the number sentence on a number line:
 $9 - 3$.



Activity 14 Compare and order

1. **before** **between** **after**

8

10

11

16

17

19

13

14

15

2. Tick the **longest** one.



3. What comes next?

Monday Tuesday

Friday Saturday

4. How many days in a week? 7

Write your total
out of 5:

5. What comes next?

March April

Activity 15 **Value of 10**

1. 10 is 9 and **19**.

2. 10 is 7 and **17**.

3. 10 is 6 and **16**.

4. 10 is 5 and **15**.

Write your total
out of 5:



5. 10 is 8 and **2**_____.

Activity 16 **Number concept**

1. $10 = 2 + \underline{8}$

2. $10 = 4 + \underline{6}$

3. $10 = 10 + \underline{0}$

4. $10 = 1 + \underline{9}$

Write your total
out of 5:



5. $10 = 3 + \underline{7}$

Activity 17 Add 10

1. $7 + 3 \underline{\hspace{1cm}} = 10$

2. $9 + 1 \underline{\hspace{1cm}} = 10$

3. $5 + 5 \underline{\hspace{1cm}} = 10$

Write your total
out of 5:



4. $0 + 10 \underline{\hspace{1cm}} = 10$

5. $6 + 4 \underline{\hspace{1cm}} = 10$

Activity 18 Subtract from 10

1. $10 - 5 = \underline{5}$

2. $10 - 8 = \underline{2}$

3. $10 - 3 = \underline{7}$

Write your total
out of 5:



4. $10 - 9 = \underline{1}$

5. $10 - 2 = \underline{8}$

Activity 19 **Add three digits**

1. $2 + 4 + 4 = \underline{10}$

2. $1 + 5 + 3 = \underline{9}$

3. $3 + 2 + 5 = \underline{10}$

4. $6 + 0 + 2 = \underline{8}$

Write your total
out of 5:



5. $9 + 0 + 1 = \underline{10}$

Activity 20 Subtraction

1. $9 - 4 - 2 = \underline{3}$

2. $10 - 4 - 0 = \underline{6}$

3. $7 - 2 - 4 = \underline{1}$

4. $10 - 3 - 4 = \underline{3}$

Write your total
out of 5:



5. $10 - 2 - 6 = \underline{2}$

Activity 21 **Word problems**

1. I have 7 balls and I buy 3 more. How many balls do I now have?

10 balls

2. I have 10c and I spend 5c. How many cents do I have left?

5c

3. Linda is 8 years old and her sister is 2 years older. How old is her sister?

10 years old

4. Ryan has 5 bats and Billy has twice as many. How many bats does Billy have?

10 bats

5. Sam loses 4 marbles in the game. He has 6 left. How many marbles did he have at the start of the game?

Write your total
out of 5:



10 marbles

Activity 22 **Add and subtract**

1. Add 5 to 3 = 8

2. Add 2 to 8 = 10

3. Subtract 3 from 10 = 7

4. Subtract 5 from 9 = 4

Write your total
out of 5:



5. Add 7 to 3 = 10

Activity 23 **Number lines****Do the number sentences on the number line.**

1. $6 + 4 = 10$



2. $5 + 5 = 10$



3. $9 + 1 = 10$



4. $10 - 6 = 4$

Write your total
out of 5:

5. $10 - 7 = 3$

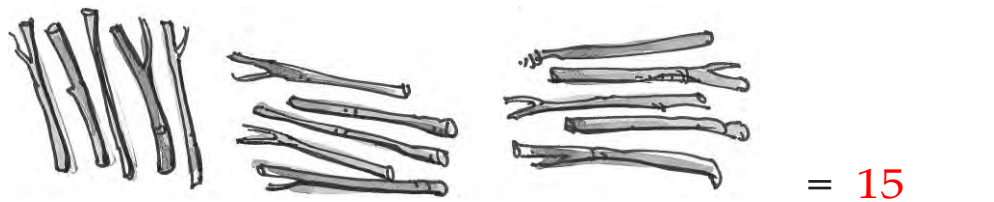


Activity 24 Place value

1.



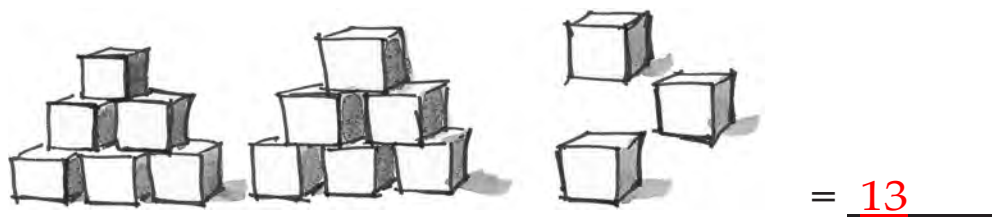
2.



3.

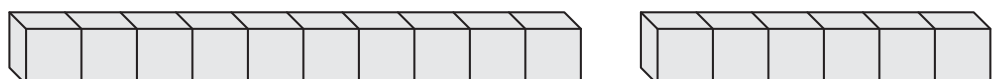


4.



5.

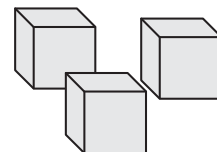
Write your total
out of 5:



= 16

Activity 25 Number value

1.



$$= \underline{13}$$

2.



$$= \underline{11}$$

3.



$$= \underline{14}$$

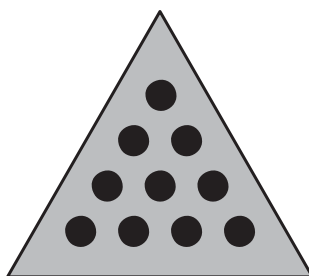
4.



$$= \underline{12}$$

5.

Write your total
out of 5:



$$= \underline{15}$$

Activity 26 Addition

1. Add four to 10 = 14

2. Add one to 10 = 11

3. Add zero to 10 = 10

4. Add five to 10 = 15

Write your total
out of 5:



5. Add three to 10 = 13

Activity 27 **Breaking down numbers**

1. Twelve is 10 and **2**_____.

2. $10 + \textcolor{red}{4}$ _____ = 14

3. Fifteen is 10 and **5**.

4. $10 + \textcolor{red}{1}$ _____ = 11

Write your total
out of 5:



5. Thirteen is 10 and **3**_____.

Activity 28 Repeated addition

1. $3 + 3 + 3 + 3 = \underline{12}$

2. $2 + 2 + 2 + 2 + 2 + 2 = \underline{12}$



$5c + 5c + 5c = \underline{15c}$



$R1 + R1 + R1 + R1 + R1 + R1 = R \underline{6}$

Write your total
out of 5:

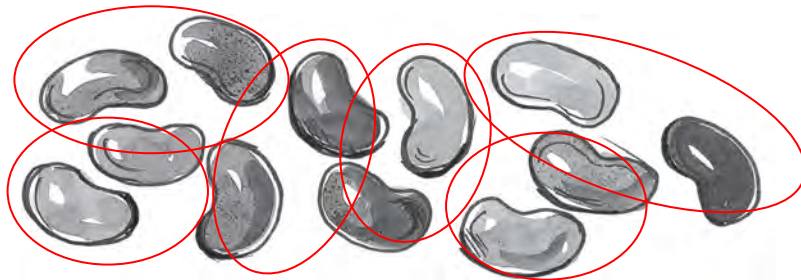


5. $4 + 4 + 4 = \underline{12}$

Activity 29 Grouping

Draw circles to make groups.

1. How many groups of 2?



6

2. How many groups of 5?



3

3. How many groups of 3?



4

4. How many groups of 4?

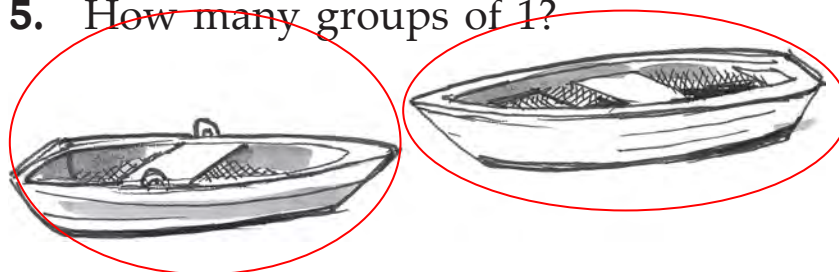


2

Write your total
out of 5:

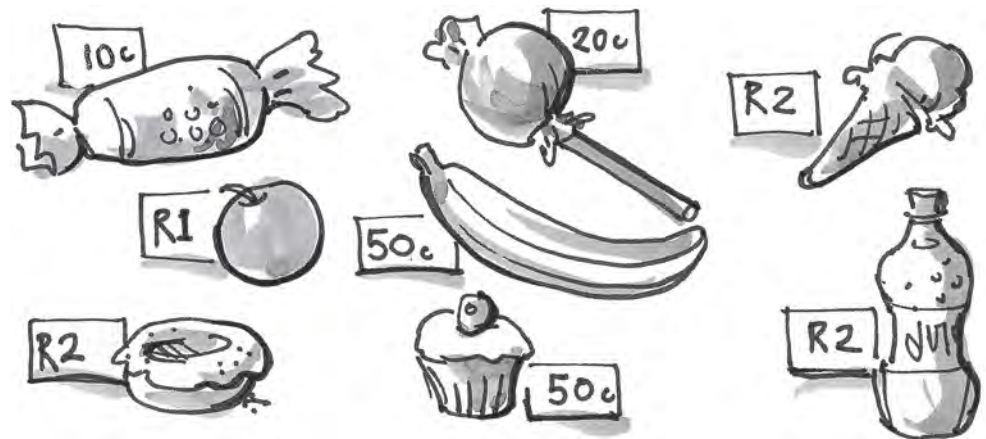


5. How many groups of 1?



2

Activity 30 Money calculations



1. 2 sweets cost **20c**_____.
2. 2 cones and 1 juice cost **R6**_____.
3. 2 bananas cost **R1**_____.
4. 1 donut + 1 cupcake cost **R2,50**__.
5. 2 apples + 2 bananas cost **R3,00**__.

Write your total
out of 5:



Activity 31 Numbers, shape and capacity

1. Colour the multiples of 2 **pink**.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

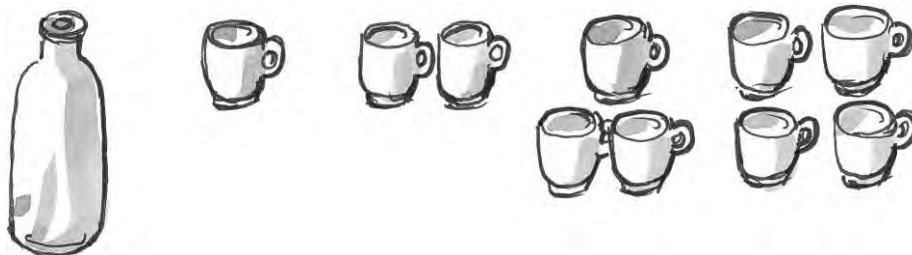
2. Count back in twos:

20 18 16 14 12 10 8 6

3. Draw a rectangle.



4. How many cups do you think will fill the bottle?



4

5. Complete the table:

half		double
2	4	8
6	12	24
4	8	16
5	10	20

Write your total
out of 5:



Activity 32 Multiples and problem solving

1. Colour the multiples of 5 **red**.

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

2. What comes before?

11 12

19 20

3. What comes after?

15 16

9 10

4. Mom has 12 eggs in a basket.

She gives half to her friend.

How many eggs does she keep? 6

Write your total
out of 5:



5. Monday is the **1st** day of school.

Tuesday is the **2nd** _____ day of school.

Activity 1 Numbers

1. Count. Write in the missing numbers.

75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93	94

2. Which is more? Tick:

(38)

(83) ✓

(79)

(97) ✓

3. Write the symbol fourteen 14

4. Write the number name 2 two

Write your total
out of 5:

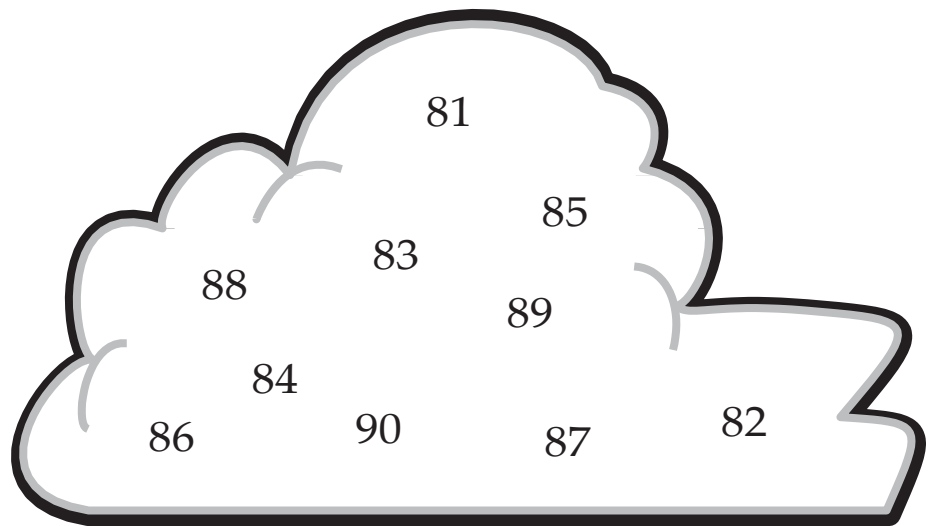


5. Break down the number: 19

10 and 9 any number combination that adds up to 19

Activity 2 Multiples and comparisons

1. Write the multiples of 2.



82 84 86 88 90

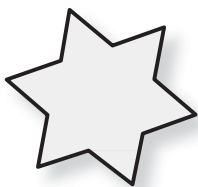
2. Count. Write in the missing numbers.

90 91 92 93 94 95 96 97 98 100

3. What comes next? 99 100

4. 2 more than 13 = 15

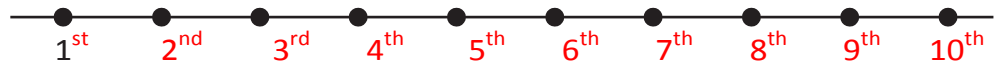
Write your total
out of 5:



5. 15 is between 14 and 16.

Activity 3 **Numbers and shape**

1. Write the ordinal numbers on the number line.

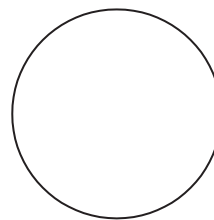


2. Write the symbol eighteen. 18

3. Double 6 = 12

4. 11 is 5 more than 6 ____.

5. Name the shape:



Write your total
out of 5:



Circle

Activity 4 **Number skills**

1. $3 + 3 + 3 + 3 + 3 = \underline{15}$

2. What comes next? 3, 6 9; 12

3. $10 + 5 = \underline{15}$

4. $15 - 8 = \underline{7}$

Write your total
out of 5:



5. Rosy plants 3 rows of tomato plants.
There are 5 plants in each row. How many
tomato plants are there altogether?

15 tomato plants

Activity 5 Number work

1.



Half of 14 apples = 7 apples

2. Make groups.



4 groups of 2 = 8

3. Colour the even numbers only.

53	54	55	56	57	58	59
60	61	62	63	64	65	66

4. Write down the next odd number: 29 31

5.



Write your total
out of 5:



6 girls, how many feet? 12

Activity 6 **Problem solving**

1. Count backwards:

100 99 98 97 96 95

2. $7 + 9 - 8 =$ 8

3. On Monday Zodwa had 6 peaches and on Tuesday she had 14 peaches. How many extra peaches does she have?

8

4.



R5 and R2 and R1 = R8

Write your total
out of 5:

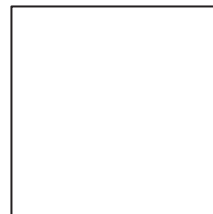


5. You have R10 and you buy an ice cream for R5,00. How much change do you get?

R5,00

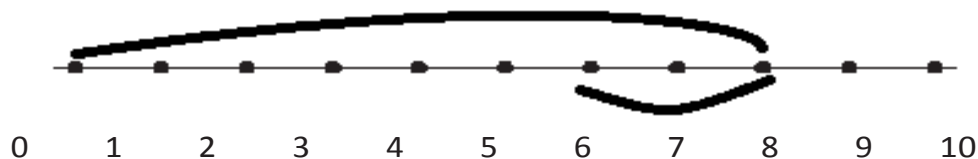
Activity 7 Shape and calculations

1. Name the 2-D shape.



square

2. Do the number sentence on the number line:
 $8 - 2 =$



3. Complete the table:

-5

17	12
9	4
20	15
10	5

4. An apple costs 20c.
 How much will 2 apples cost?

40c

5. Tick the correct one:

$2 + 5 + 6 = 17$

$14 - 5 - 6 = 3$



Write your total
out of 5:



Activity 8

Solve it

1.



$$20c = 10c \underline{\hspace{1cm}} + \underline{10c}$$

2. Before and after.

$$\begin{array}{ccc} 24 & 25 & 26 \\ \hline & & \end{array}$$

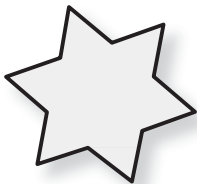
3. Make groups of 5.


3 groups

4. Thabo buys fruit for R12,00 and he pays with R20. How much change will he get?

R8,00

Write your total
out of 5:



5. Double 9 = 18

Activity 9 Number value

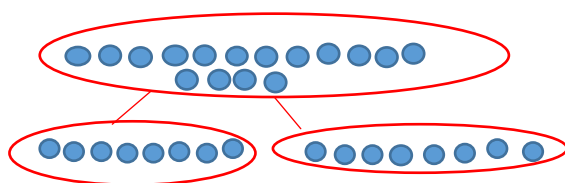
1. Write down the number name.

19 nineteen

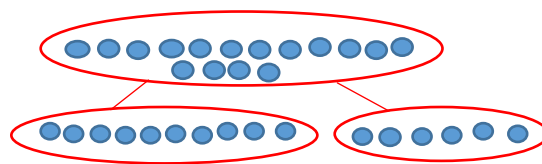
2. Complete the pattern:

18 19 20 21 22 23

3. Break down 16 in two ways:



$$8 + 8 = 16$$



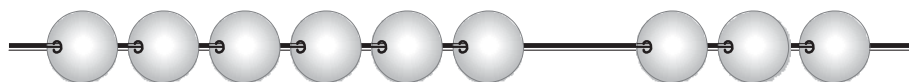
$$10 + 6 = 16$$

4. How many tens in 40? 4

Write your total
out of 5:



5. Write the number:



9

Activity 10 Calculations

1. Write down the numbers that come next.

79 80 _____ 95 96 _____

2. Write down a name for this group.



a group of 4 _____

3. How many tens and units in 19? 1 ten, 9 units

4. 3 tricycles, how many wheels? 9 _____

5. Complete the table:

-4

18	<u>14</u>
5	<u>1</u>
12	<u>8</u>
20	<u>16</u>

Write your total
out of 5:



Activity 11 Calculate

1. $10 - 4 = \underline{6}$

2. $9 - 6 = \underline{3}$

3. $2 + 5 + 1 = \underline{8}$

4. $5 + 5 + 5 = \underline{15}$

Write your total
out of 5:



5. Shafiek has 15 crayons. He wants to keep 8 crayons. How many can he give away?

7

Activity 12 **Count and calculate**

1. Count in fours:

32 36 40 44 48 52

2. Add 10 to 3 = **13**_____.

3. Write true or false:

17 > 19 **false**_____.

4. 4 more than 15 = **19**_____.

Write your total
out of 5:



5. 6 less than 13 is **7**_____.

Activity 13 **Work it out**

1. Write the number name: 14

fourteen

2. Write +, – or = in the place of the line.

$$7 + 6 = 10 + 3$$

3. 3 more than 16 is 13_____.

4. 2 less than 19 is 17_____.

5. Complete the table:

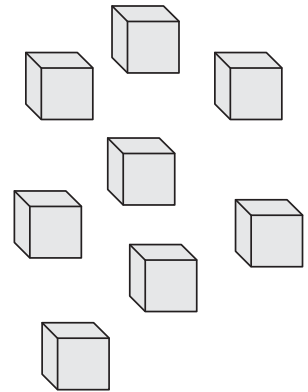
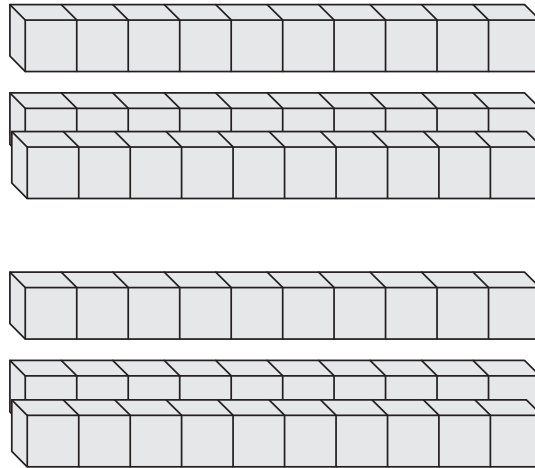
Write your total
out of 5:



	2	7	8	3	10	5	9
double	4	14	16	6	20	10	18

Activity 14 Place value

1. Write the number:



78

2. 3 units and 1 ten = 13

3. Break up 15 in two ways.

10 + 5

7 + 8

4. There are 5 rabbits. How many ears? 10

Write your total
out of 5:



5. I share 10 bananas equally between 2 girls.
How many bananas does each girl get?

5

Activity 15 Solve it

1.

Half of 3 apples = 1½

2. $10 + 10 + 10 + 10 = \underline{40}$

3. $15 - 4 - 3 = \underline{8}$

4. 2 tens + 0 units = 20

5.

Write your total
out of 5:= R17.50

Activity 16 **Pattern and time**

1. Count on:

88 89 90 91 92 93

2. 10 more than 50 is 60

3. Arrange the numbers from the smallest to the biggest.

38 58 28 48 18

18 28 38 48 58

4. What comes next?

Monday Tuesday

Write your total
out of 5:



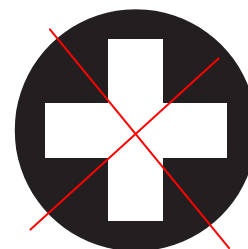
5. Friday is the 5th school day
of the week.

Activity 17 Problem solving

1. Do the sum on the number line. $3 + 3 + 3$



2. Draw a line of symmetry.



3. Circle the sphere.



4. Complete the table:

$8 + 2$	$12 + 3$	$9 - 4$	$15 - 7$	$3 + 8$	$14 - 8$	$6 + 9$
10	15	5	8	11	6	15

5.



Write your total
out of 5:



Where is the cat? Circle the answer:

next to / in

Activity 18 Calculations

1. Write down the missing numbers

100	99	98	97	96	95	94	93
92	91	90	89	88	87	86	85

2. Which is less: 47 or 74? 47

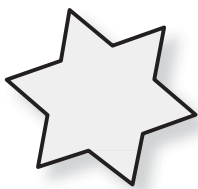
3. What comes next?

9th 8th 7th 6th

4. Complete the table:

	8	7	6	5	4	3	2
double	16	14	12	10	8	3	2

Write your total
out of 5:



5. $7 + 8 = 9 +$ 6

Activity 19 **Shape and place value**

1. I have 3 stars, but Pulani has twice as many.
How many stars does Pulani have?

6 _____

2. Draw a sphere.



3. How many tens in 80? 8 _____

4. 1 ten and 7 units = 17 _____

Write your total
out of 5:

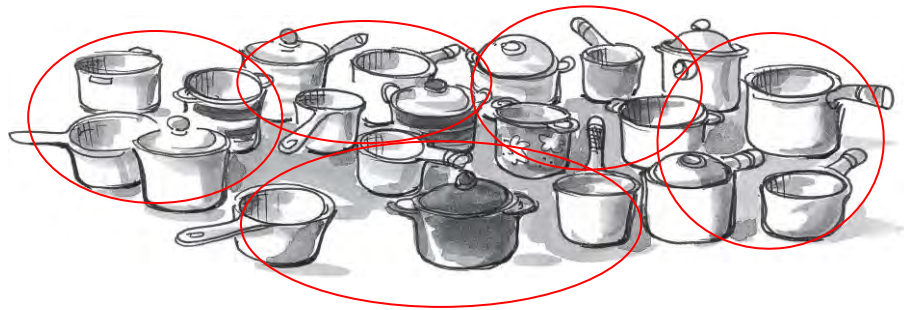


5. There are 3 bowls with 6 strawberries in each bowl. How many strawberries are there in total?

18 _____

Activity 20 Grouping and measurement

1. Make groups of 4. Circle.

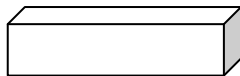


5 groups of 4 = 20

2. Count and write the numbers:

100 99 98 97 96 95

3. Draw a prism.



4. Which item is the heaviest? Tick.



Write your total
out of 5:



5. You have R20. You spend R13,30.
How much change do you get?

R6.70

Activity 21 Problem solving**1.** Count in fives:

90 95 85 80 75 70

2. Rewrite the sum correctly:

18 + 2 = 20 18 + 2 = 20 _____

3. Rewrite the sum correctly:

19 - 7 = 12 19 - 7 = 20 _____

4. A hen lays 5 eggs on Monday, 3 on Tuesday and 6 eggs on Wednesday. How many eggs are there altogether?

14

Write your total
out of 5:



5. Break up 16. 8 + 8 / 16 + 0 / 15 + 1 / 9 + 7 / 10 + 6 Use only one of these

Activity 22 Calculations

1. $6 + 6 + 6 = \underline{18}$

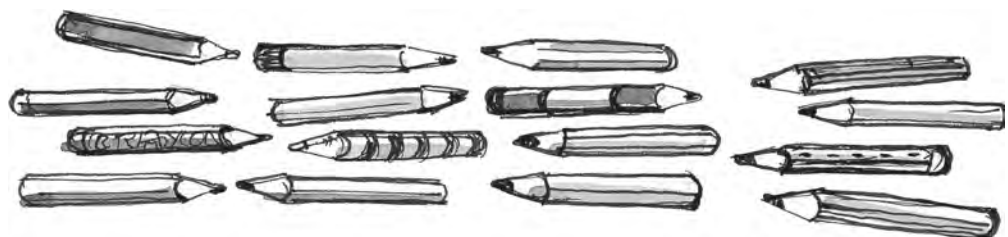
2. $18 - 9 = \underline{9}$

3. $4 + 4 = \underline{8}$

4. Saadhna spends R15 on flowers. How much change does she get from R20?

R5

5. Make groups of 2



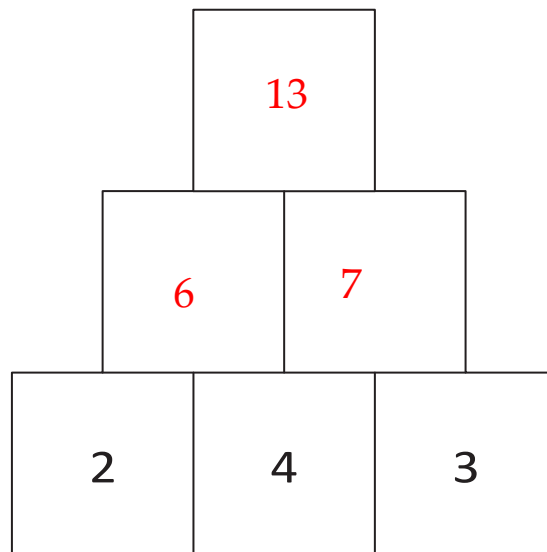
Write your total
out of 5:



8 groups of 2

Activity 23 Calculate

1. Calculate:



2. Which pattern is correct? Tick.

71 73 75 77 79 ✓

71 73 74 75 77

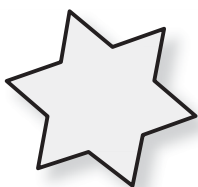
3. A hamburger costs R7. How much do 3 hamburgers cost?

R21,00

4. What is the value of 9 in 19?

nine units

Write your total
out of 5:

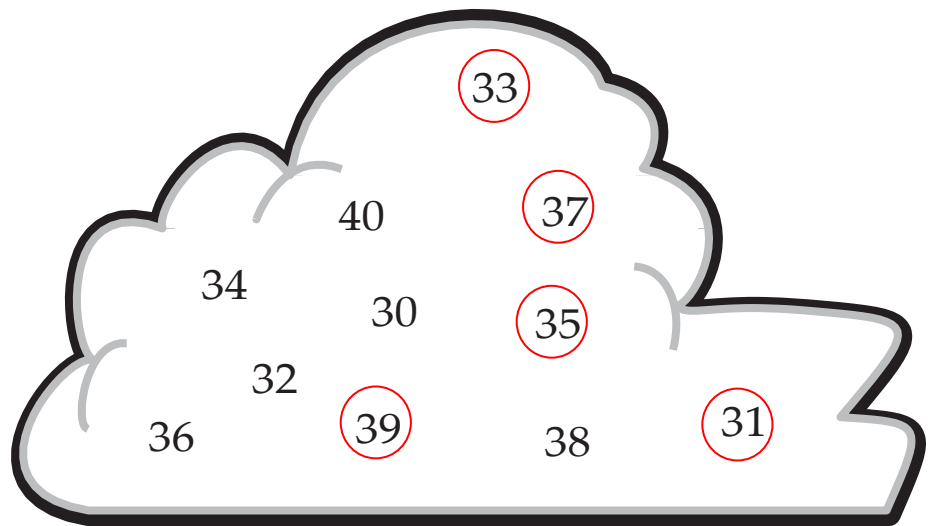


5. Complete the number sentence.

$$15 + 8 = \underline{23}$$

Activity 24 **Number work**

1. Circle the uneven numbers in **red**.



2. Write the symbol thirteen. 13

3. Complete the number sentence.

$$7 + \underline{\quad} \quad 7 \underline{\quad} = 14$$

4. 2 times 2 = 4

Write your total
out of 5:



5. I share 10 cupcakes amongst 5 friends.
How many cupcakes does each friend get?

2

Activity 25 **Number and time**

1. Count. Write in the missing numbers.

10 20 30 40 50 60 70 80

2. What is the value of 3 in 13? 3 units

3. Complete the number sentence.

$$20 - 5 = 15$$

4. Carl has 6 cards. He wins 3 more. How many cards does he have?

9 cards

Write your total
out of 5:



5. What day is after Friday?

Saturday

Activity 26 Number calculations

1. Complete the table:

Halve

20	10
12	6
5	2 ½
18	9

2. Sizwe is 15 years old and Kabelo is 6 years younger. How old is Kabelo?

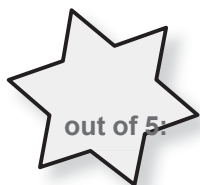
21 years

3. $20c + 5c = 25$ ____ c

4. Arrange the coins from the least to the most.



write your total

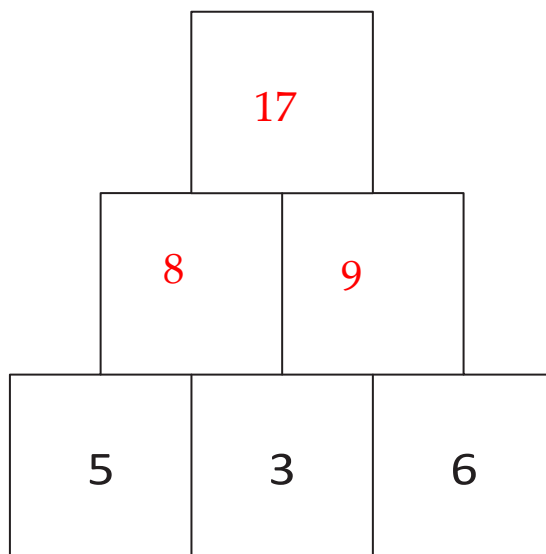


10c 20c 50c R 1 R2 R5

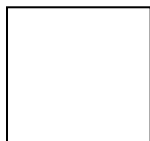
5. $3 + 3 + 3 + 3 + 3 + 3 = 18$ ____

Activity 27 Number and shape

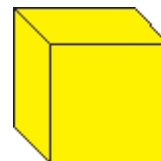
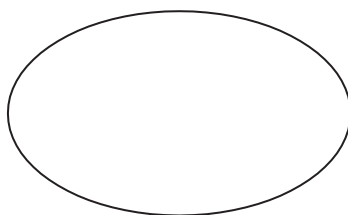
1. Calculate:



2. Draw a square.



3. Colour the shape with straight edges.



4. 2 tens + 7 tens = 20_____ = 70

Write your total
out of 5:



5. 10 + 10 + 10 + 10 = 40

Activity 28 Compare numbers

1. Half of 14 = 7

2. Double 8 = 16

3. Count on:

93 94 95 96 97 98 99

4.	before	between	after
	46	47	48
	90	91	92
	83	84	85

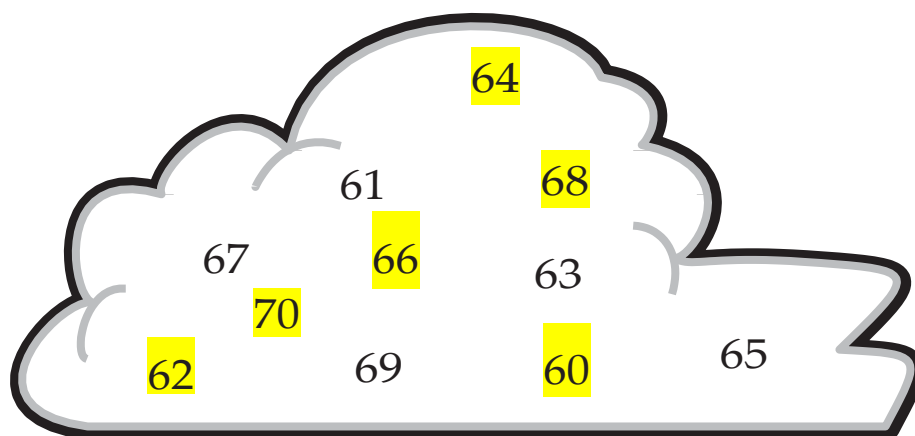
Write your total
out of 5:



5. Milk costs R6, juice costs R3 and chips cost R4.
How much money do I need? **R13,00**

Activity 29 Number solutions

1. Colour the even numbers:



2. Write the number name 17.

seventeen

3. Write the sum correctly:

$$8 + 10 = 18$$

4. Arrange the numbers from the biggest to the smallest.



2

4

8

10

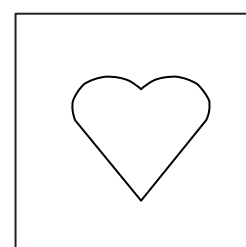
Write your total
out of 5:



5. Draw a



in the **middle**
of the square.



Activity 30 Numbers and patterns

1. What is the number?

1 ten and 2 units = 12



2. Colour the glass to show half full.

3. Continue the pattern:



4. Complete the table:

$2 + 2$	$3 + 3$	$4 + 4$	$5 + 5$	$6 + 6$	$7 + 7$	$8 + 8$	$9 + 9$
4	6	8	10	12	14	16	18

5. Mia reads pages 4 and 5, the middle pages of her book. What number will be the last page be?



8

Write your total
out of 5:



Activity 31 Count and calculate

1. Count. Write the missing numbers.

10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33

2. Complete:

1st 2nd 3rd 4th 5th 6th

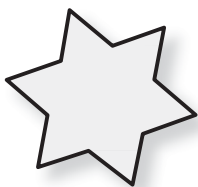
3. $18 - 9 - 3 = \underline{6}$

4. $6 + 8 + 4 = \underline{18}$

Write your total
out of 5:

5. Is the answer odd or even?

$9 + 6 = \underline{15}$ odd



Activity 32 Problem solving

1. 10 more than 9 = 19

2. 7 units and 1 ten = 17

3. One mango costs R5, how much will 4 mangos cost?



R20

4. Complete the table:

10 + 2	10 + 5	10 + 1	10 + 9	10 + 6	10 + 8	10 + 4	10 + 7
12	15	11	19	16	18	14	17

Write your total
out of 5:



5. What comes next?

May June July