

# Sheet 1 Whole Numbers

Write these numbers in figures.

- 1 thirty-five .....35.....
- 2 one hundred and eighteen .....
- 3 four hundred and seventy-two .....
- 4 five hundred and twenty-nine .....
- 5 two hundred and forty-one .....
- 6 eighty-six .....
- 7 three hundred and sixty .....
- 8 nine hundred and four .....
- 9 seven hundred and ninety-seven .....
- 10 six hundred and fifty-three .....
- 11 four hundred and fifteen .....
- 12 two hundred and eight .....

Write these numbers in words. Take care with the spellings.

- 13 126 .....
- 14 62 .....
- 15 348 .....
- 16 580 .....
- 17 717 .....
- 18 234 .....
- 19 659 .....
- 20 73 .....
- 21 405 .....
- 22 891 .....
- 23 360 .....
- 24 719 .....

**Sheet 2**

**Partitioning and Ordering Numbers**

<p><math>567 = 500 + 60 + 7</math></p> <p>The 5 has a value of 500.</p> <p>The 6 has a value of 60.</p> <p>The 7 has a value of 7.</p>	<p>To order numbers compare the highest value digit.</p> <table style="width: 100%; text-align: center;"> <tr> <td>138</td> <td>71</td> <td>201</td> </tr> <tr> <td>↓</td> <td>↓</td> <td>↓</td> </tr> <tr> <td>100</td> <td>70</td> <td>200</td> </tr> </table>	138	71	201	↓	↓	↓	100	70	200	<p>Starting with the smallest the order is 71, 138, 201.</p>
138	71	201									
↓	↓	↓									
100	70	200									

**Write the value of the underlined digit.**

- |                                  |                      |                       |
|----------------------------------|----------------------|-----------------------|
| 1 <u>3</u> 84 ...3 <u>0</u> 0... | 6 1 <u>2</u> 6 ..... | 11 89 <u>3</u> .....  |
| 2 <u>6</u> 30 .....              | 7 3 <u>5</u> 2 ..... | 12 <u>2</u> 45 .....  |
| 3 9 <u>6</u> 5 .....             | 8 <u>7</u> 19 .....  | 13 50 <u>1</u> .....  |
| 4 <u>2</u> 08 .....              | 9 4 <u>7</u> 3 ..... | 14 <u>1</u> 68 .....  |
| 5 8 <u>4</u> 1 .....             | 10 <u>5</u> 97 ..... | 15 4 <u>2</u> 7 ..... |

**Write the missing number in the box.**

- |                                   |  |
|-----------------------------------|--|
| 16 $257 = 200 + \square + 7$      | 21 $862 = 800 + \square + \square$     |
| 17 $735 = 700 + 30 + \square$     | 22 $179 = \square + \square + \square$ |
| 18 $391 = \square + 90 + 1$       | 23 $646 = \square + \square + \square$ |
| 19 $528 = \square + 20 + \square$ | 24 $413 = \square + \square + \square$ |
| 20 $964 = \square + \square + 4$  | 25 $584 = \square + \square + \square$ |

**Draw a circle around the larger number.**

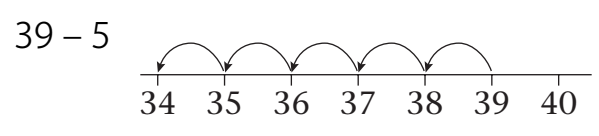
- |            |            |            |
|------------|------------|------------|
| 26 23 (32) | 31 256 526 | 36 168 186 |
| 27 59 95   | 32 974 749 | 37 243 234 |
| 28 64 46   | 33 813 318 | 38 731 675 |
| 29 123 32  | 34 572 527 | 39 495 459 |
| 30 180 810 | 35 309 390 | 40 708 780 |

**Sheet 3**

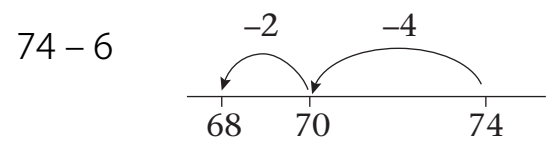
**Mental Strategies (TU +/- U)**

**Examples**

COUNTING



BRIDGING



**Work out**

- |                                       |                          |                           |
|---------------------------------------|--------------------------|---------------------------|
| <b>1</b> $23 + 6$ ..... <sup>29</sup> | <b>9</b> $79 + 4$ .....  | <b>17</b> $56 + 7$ .....  |
| <b>2</b> $37 + 5$ .....               | <b>10</b> $28 + 9$ ..... | <b>18</b> $78 + 4$ .....  |
| <b>3</b> $76 + 8$ .....               | <b>11</b> $47 + 6$ ..... | <b>19</b> $87 + 8$ .....  |
| <b>4</b> $84 + 7$ .....               | <b>12</b> $34 + 5$ ..... | <b>20</b> $39 + 6$ .....  |
| <b>5</b> $46 - 4$ .....               | <b>13</b> $93 - 7$ ..... | <b>21</b> $62 - 8$ .....  |
| <b>6</b> $53 - 5$ .....               | <b>14</b> $32 - 4$ ..... | <b>22</b> $100 - 5$ ..... |
| <b>7</b> $99 - 3$ .....               | <b>15</b> $51 - 6$ ..... | <b>23</b> $63 - 9$ .....  |
| <b>8</b> $65 - 8$ .....               | <b>16</b> $86 - 9$ ..... | <b>24</b> $36 - 7$ .....  |

**Find**

- |  |                                |
|--|--------------------------------|
| <b>25</b> 3 more than 89 ..... <sup>92</sup> | <b>33</b> 6 more than 75 ..... |
| <b>26</b> 6 less than 45 .....               | <b>34</b> 9 less than 48 ..... |
| <b>27</b> 7 more than 67 .....               | <b>35</b> 9 more than 26 ..... |
| <b>28</b> 8 less than 54 .....               | <b>36</b> 5 less than 91 ..... |
| <b>29</b> 5 more than 39 .....               | <b>37</b> 4 more than 27 ..... |
| <b>30</b> 4 less than 70 .....               | <b>38</b> 6 less than 83 ..... |
| <b>31</b> 8 more than 25 .....               | <b>39</b> 7 more than 49 ..... |
| <b>32</b> 7 less than 92 .....               | <b>40</b> 8 less than 66 ..... |

**Sheet 4**

**Add/Subtract 1, 10 or 100**

To add 1, you add 1 to the digit in the units column.  
 To add 10, you add 1 to the digit in the tens column.  
 To add 100, you add 1 to the digit in the hundreds column.

Write the number which is:

1 more than

10 less than

100 more than

1 25 .....

5 176.....

9 465 .....

2 438 .....

6 252 .....

10 329 .....

3 701 .....

7 281 .....

11 513 .....

4 894 .....

8 640 .....

12 807 .....

1 less than

10 more than

100 less than

13 51 .....

17 123 .....

21 436 .....

14 386 .....

18 455 .....

22 621 .....

15 972 .....

19 389 .....

23 508 .....

16 245 .....

20 761 .....

24 892 .....

Write the missing numbers.

25   $\xrightarrow{+1}$  318

27 400  $\xrightarrow{+10}$

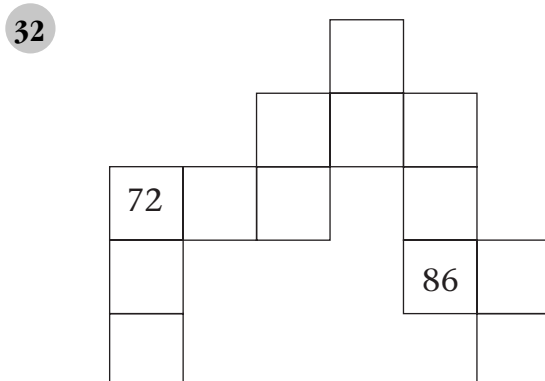
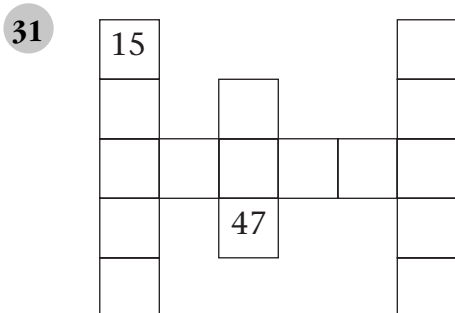
29   $\xrightarrow{-1}$  253

26   $\xrightarrow{-100}$  735

28 127  $\xrightarrow{-10}$

30   $\xrightarrow{+100}$  476

These are parts of the 1 to 100 square. Write in the missing numbers.



**Sheet 5**

**Addition / Subtraction Facts**

Work out

Write the missing number in the box.

1  $10 + 6$  .....

2  $7 + 8$  .....

3  $8 + 6$  .....

4  $6 + 9$  .....

5  $9 + 7$  .....

6  $8 + 7$  .....

7  $10 + 5$  .....

8  $9 + 8$  .....

9  $7 + 5$  .....

10  $6 + 7$  .....

11  $19 - 8$  .....

12  $17 - 9$  .....

13  $15 - 8$  .....

14  $20 - 13$  .....

15  $16 - 8$  .....

16  $18 - 12$  .....

17  $17 - 11$  .....

18  $19 - 13$  .....

19  $14 - 6$  .....

20  $20 - 7$  .....

21  $9 + \square = 17$

22  $7 + \square = 13$

23  $10 + \square = 19$

24  $6 + \square = 14$

25  $8 + \square = 16$

26  $\square + 8 = 17$

27  $\square + 12 = 20$

28  $\square + 7 = 16$

29  $\square + 8 = 15$

30  $\square + 9 = 20$

31  $19 - \square = 11$

32  $17 - \square = 8$

33  $20 - \square = 14$

34  $16 - \square = 9$

35  $18 - \square = 13$

36  $15 - \square = 6$

37  $17 - \square = 9$

38  $14 - \square = 8$

39  $15 - \square = 7$

40  $20 - \square = 5$

**Sheet 6**

**Multiples**

Multiples are the numbers in a multiplication table.  
 The multiples of 2 are 2, 4, 6 ... 24, 26, 28 ... 56, 58, 60 and so on.

Complete the first 8 multiples of the number in the first box.

1	2	4	6					
2	10							
3	5							
4	3							
5	4							
6	6							

Write Yes or No.

- |   |                                 |
|---|---------------------------------|
| 7 Is 18 a multiple of 2? <u>Yes</u> ..... | 15 is 18 a multiple of 4? ..... |
| 8 Is 47 a multiple of 5? .....            | 16 Is 26 a multiple of 6? ..... |
| 9 Is 230 a multiple of 10? .....          | 17 Is 21 a multiple of 3? ..... |
| 10 Is 27 a multiple of 2? .....           | 18 Is 24 a multiple of 4? ..... |
| 11 Is 85 a multiple of 5? .....           | 19 Is 24 a multiple of 6? ..... |
| 12 Is 144 a multiple of 10? .....         | 20 Is 16 a multiple of 3? ..... |
| 13 Is 68 a multiple of 2? .....           | 21 Is 40 a multiple of 4? ..... |
| 14 Is 150 a multiple of 5? .....          | 22 Is 54 a multiple of 6? ..... |

Draw a circle around the numbers which are multiples of:

- |   |  |
|---|--|
| 23 <input type="text" value="2"/> 43 90 29 54 76  | 26 <input type="text" value="3"/> 19 27 25 12 11 |
| 24 <input type="text" value="10"/> 55 90 86 40 72 | 27 <input type="text" value="4"/> 40 26 12 14 28 |
| 25 <input type="text" value="5"/> 70 64 95 49 30  | 28 <input type="text" value="6"/> 44 12 36 50 16 |

**Sheet 7**

**Mental Strategies**

Examples	BRIDGING	PAIRS THAT MAKE 10
	$67 + 9$	$9 + 2 + 6 + 8 = 10 + 9 + 6$
		$= 19 + 6$
	Answer = 9	$= 25$

Work out by bridging.

- |                                       |                          |                          |
|---------------------------------------|--------------------------|--------------------------|
| <b>1</b> $35 + 7$ ..... <sup>42</sup> | <b>9</b> $57 + 9$ .....  | <b>17</b> $78 + 7$ ..... |
| <b>2</b> $59 + 4$ .....               | <b>10</b> $64 + 7$ ..... | <b>18</b> $45 + 9$ ..... |
| <b>3</b> $46 + 9$ .....               | <b>11</b> $89 + 8$ ..... | <b>19</b> $23 + 8$ ..... |
| <b>4</b> $28 + 6$ .....               | <b>12</b> $34 + 5$ ..... | <b>20</b> $67 + 5$ ..... |
| <b>5</b> $75 - 7$ .....               | <b>13</b> $94 - 8$ ..... | <b>21</b> $81 - 8$ ..... |
| <b>6</b> $62 - 5$ .....               | <b>14</b> $66 - 9$ ..... | <b>22</b> $54 - 7$ ..... |
| <b>7</b> $91 - 3$ .....               | <b>15</b> $43 - 5$ ..... | <b>23</b> $95 - 9$ ..... |
| <b>8</b> $53 - 8$ .....               | <b>16</b> $82 - 7$ ..... | <b>24</b> $73 - 6$ ..... |

Look for pairs that make 10.

- |                                 |                                      |
|---------------------------------|--------------------------------------|
| <b>25</b> $4 + 7 + 6$ .....     | <b>33</b> $8 + 1 + \square + 9 = 24$ |
| <b>26</b> $3 + 6 + 7$ .....     | <b>34</b> $4 + \square + 3 + 6 = 18$ |
| <b>27</b> $5 + 1 + 9$ .....     | <b>35</b> $2 + 6 + 8 + \square = 20$ |
| <b>28</b> $11 + 5 + 5$ .....    | <b>36</b> $9 + 7 + \square + 3 = 25$ |
| <b>29</b> $2 + 6 + 5 + 8$ ..... | <b>37</b> $5 + 4 + 5 + \square = 23$ |
| <b>30</b> $7 + 4 + 8 + 3$ ..... | <b>38</b> $6 + 7 + \square + 4 = 24$ |
| <b>31</b> $5 + 9 + 5 + 7$ ..... | <b>39</b> $7 + 2 + 3 + \square = 19$ |
| <b>32</b> $5 + 2 + 4 + 6$ ..... | <b>40</b> $\square + 7 + 2 + 8 = 21$ |

Sheet 8

Two-dimensional Shapes

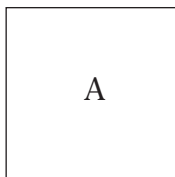
You will need to use these words.

triangle  
square  
rectangle

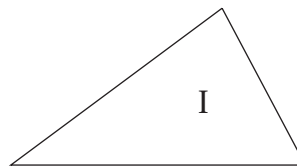
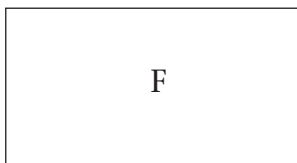
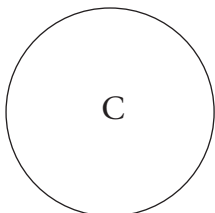
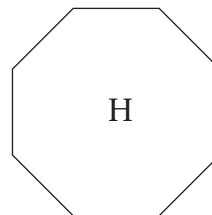
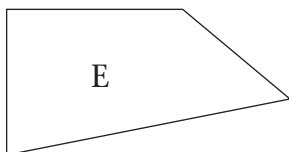
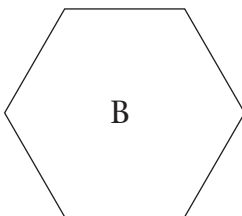
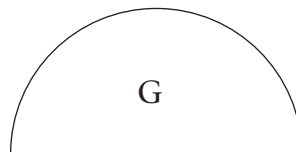
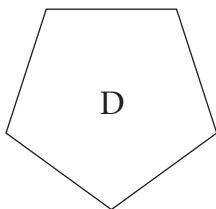
pentagon  
hexagon  
octagon

circle  
semi-circle  
quadrilateral

1 Write the name of each shape.



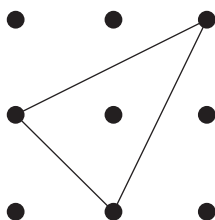
square



2 How many edges does each shape have?

A ...4... B ..... D ..... E ..... I ..... H .....

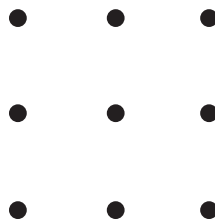
3 Draw a shape in each grid with its corners on dots.



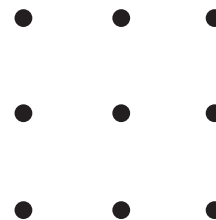
triangle



hexagon



quadrilateral



pentagon

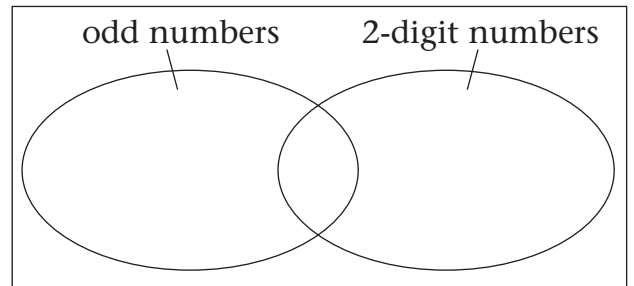


**Sheet 9**

**Venn Diagrams**

1 Use the Venn diagram to sort these numbers.

76      105      9      57      28  
4      63      12      361      170



2 Do not use any of the above numbers.

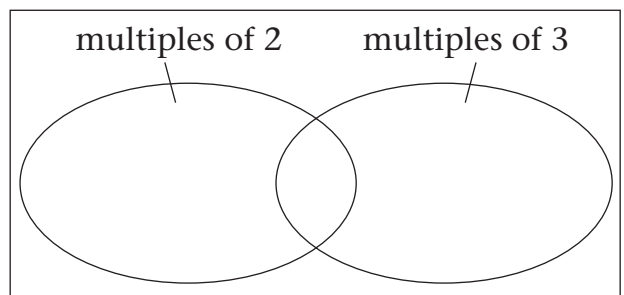
Write down two numbers which could be written in the diagram

a) where the rings overlap

b) outside either ring.

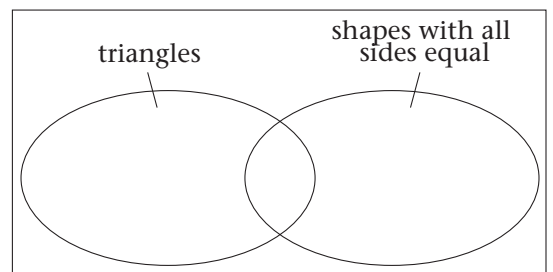
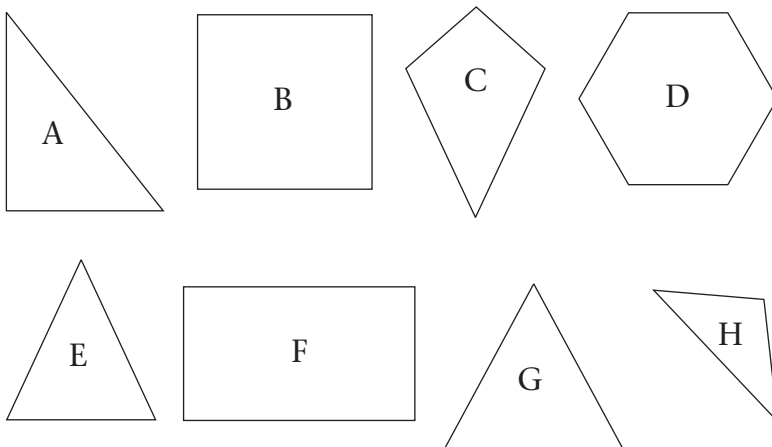
3

Use the Venn diagram to sort the numbers 1 to 25.



4 What would be the next two numbers where the rings overlap?

5 Sort the shapes by writing the letters in the right places.



**Sheet 10**

**Frequency Tables**

1 On their first day in Class 3 the children were asked to choose one subject in which they wanted to do even better this year. These are the results.

Subject	No. of children
Art	3
English	8
Maths	7
Music	2
PE	5
Science	4

Complete the sentences.

- a) More children chose ..... than any other subject.
- b) Music was chosen by  children.
- c)  children chose Maths.
- d) 5 more children chose English than chose .....
- e)  fewer children chose Music than PE.
- f) Altogether there are  children in Class 3.
- g) I would have chosen .....

2 To compare with their own shoe sizes, the children in Class 3 collected the shoe sizes of the other classes in the school. These are the results for Class 4.

Shoe size	No. of children
1	3
1½	6
2	7
2½	5
3	4
3½	2
4	1

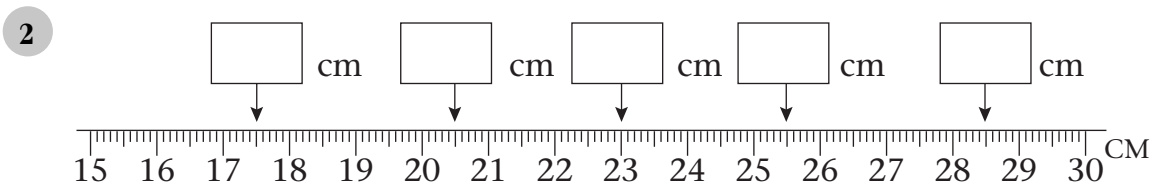
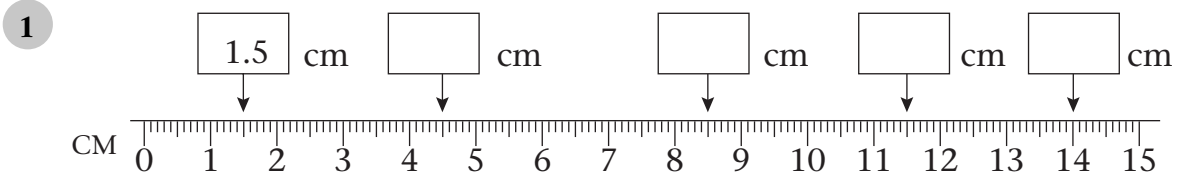
Complete the sentences.

- a) The most common shoe size was Size .
- b) Size 2½ was worn by  children.
- c) Size  was worn by only one child.
- d)  more children wore Size 1½ than Size 1.
- e)  fewer children wore Size 3½ than Size 3.
- f) There are  children in Class 4.
- g) My shoe size is .

**Sheet 11**

**Measuring Length**

Read the measurements shown on each ruler.



Measure each line to the nearest half centimetre. Write the length in the box.

- 3  cm
- 4  cm
- 5  cm
- 6  cm
- 7  cm
- 8  cm

Draw these lines to the nearest half centimetre.

- 9 11.5 cm .....
- 10 5.5 cm .....
- 11 8 cm .....
- 12 9.5 cm .....
- 13 12.5 cm .....

## Sheet 12

## Word Problems

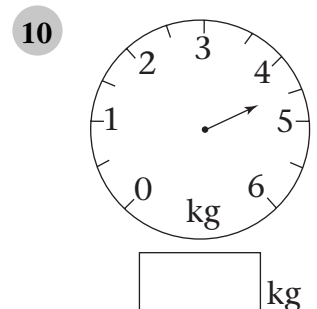
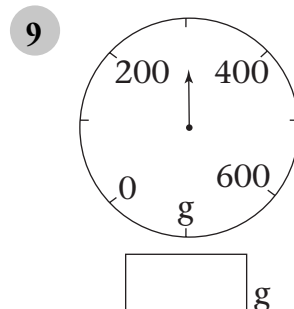
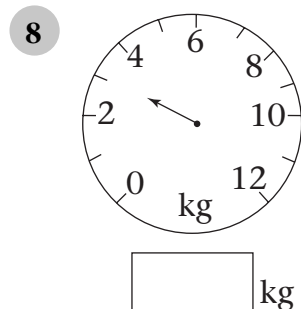
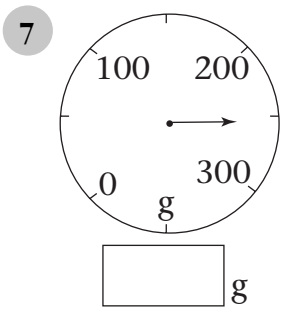
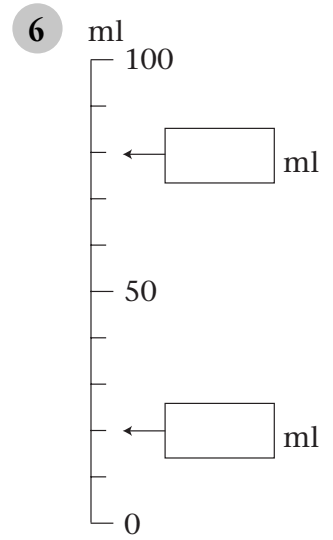
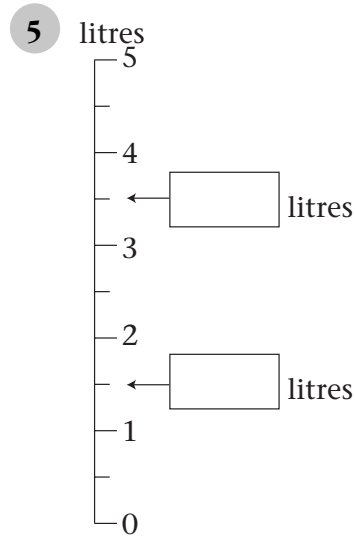
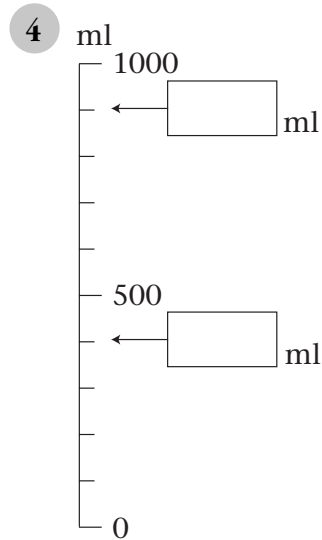
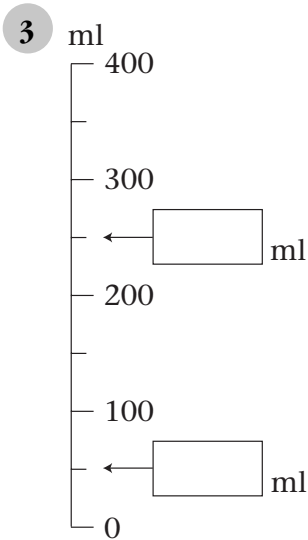
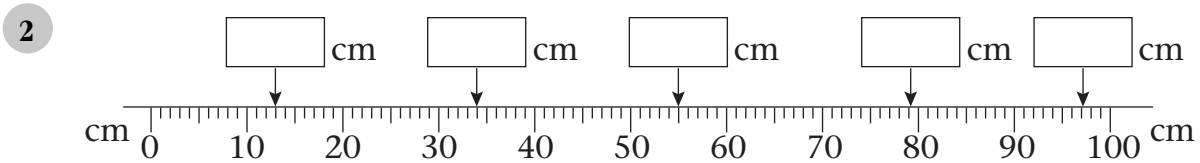
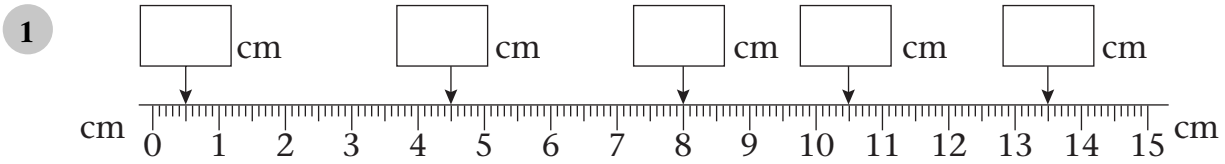
Write the missing number in the box.

- 1 Tim has 40 p. Sally has 30 p. They have  p altogether.
- 2 A piece of string is 35 cm long. 8cm is cut off. There is  cm left.
- 3 Derek has six 5p coins. He has  p altogether.
- 4 A bath holds 59 litres of water. 6 litres is added.  
There is now  litres of water in the bath.
- 5 A carton of milk holds 500 ml. 200 ml is used. There is now  ml left.
- 6 Libby's mum weighs 60 kg. Libby weighs half as much.  
Libby weighs  kg.
- 7 Monty has £22. He buys a game for £5. He has £  left.
- 8 There is 400 g on a scale. Three 100 g weights are added.  
There is now  g on the scale.
- 9 Peggy has three 20p coins. She has  p altogether.
- 10 A cake weighs 200 g. It is cut into four equal slices. Each slice weighs  g.
- 11 Nicky weighs 23 kg. Karl weighs 8 kg more. Karl weighs  kg.
- 12 Jane has 53p. Asma has 20p less. Asma has  p.
- 13 Leroy has four coins. They are all the same. He has 20p altogether.  
The four coins are all  ps.
- 14 A bottle of lemonade holds 1000 ml. Each glass holds 200 ml.  
 glasses can be filled from the lemonade in the bottle.

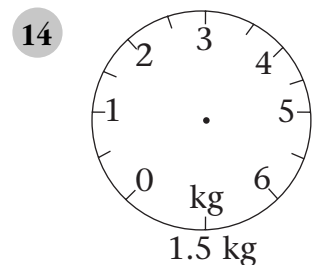
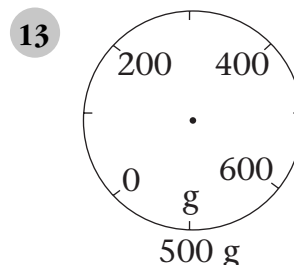
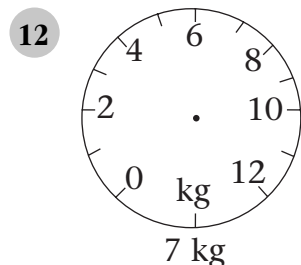
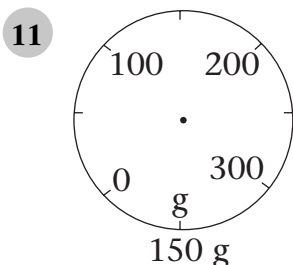
**Sheet 13**

**Reading Scales**

Write each measurement in the box.



Draw the arrow on each dial.



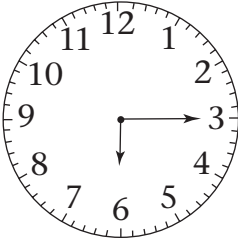
**Sheet 14 Reading The Time**

For each of the times:

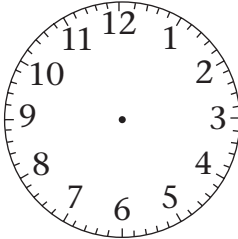
- a) draw the hands on the clock face
- b) write the time in figures

- |                           |                            |                             |
|---------------------------|----------------------------|-----------------------------|
| <b>1</b> quarter past 6   | <b>5</b> 25 minutes past 6 | <b>9</b> 20 minutes past 8  |
| <b>2</b> 5 minutes past 8 | <b>6</b> 20 minutes to 10  | <b>10</b> quarter to 7      |
| <b>3</b> 10 minutes to 4  | <b>7</b> half past 1       | <b>11</b> 10 minutes past 3 |
| <b>4</b> 2 o'clock        | <b>8</b> 5 minutes to 5    | <b>12</b> 25 minutes to 11  |

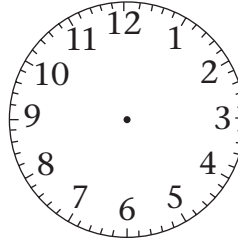
**1**



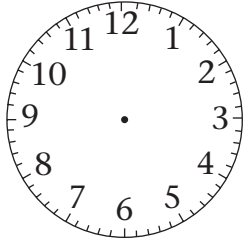
**4**



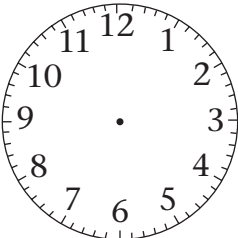
**7**



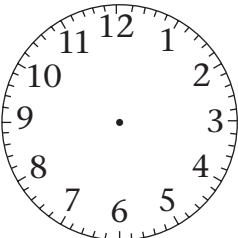
**10**



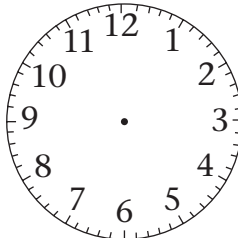
**2**



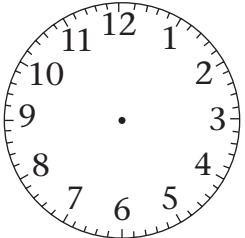
**5**



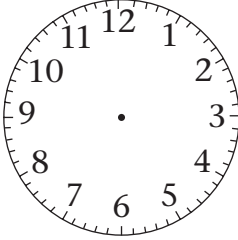
**8**



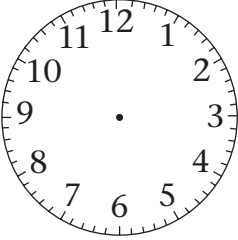
**11**



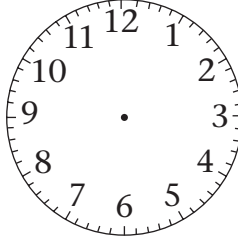
**3**



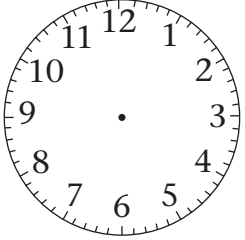
**6**



**9**



**12**



**Sheet 15**

**Time Problems**

- 1 How many minutes are there in one hour? .....
- 2 How many hours are there in one day? .....

How many minutes are left in the hour if the time is:

- 3 11 :55 .....
- 4 1 :40 .....
- 5 7 :25 .....
- 6 5 :10 .....
- 7 10 :05 .....
- 8 12 :20 .....
- 9 6 :15 .....
- 10 3 :50 .....

How many hours are left in the day if the time is:

- 11 9 :00 at night .....
- 12 5 :00 in the evening .....
- 13 2 :00 in the afternoon .....
- 14 11 :00 in the morning .....
- 15 4 :00 in the afternoon .....
- 16 8 :00 in the morning .....
- 17 7 :00 in the evening .....
- 18 1 :00 at night .....

19 A TV programme start at 6 :50. It finishes at 7 :25.

It lasts  minutes.

20 Ryan gets on a bus at 2 :45. He gets off at 3 :05.

His journey lasts  minutes.

21 Lunchtime starts at 12 :20. It ends at 1 :15.

It lasts  minutes.

22 The P.E. lesson starts at 1 :25. It finishes at 2 :10.

It lasts  minutes.

**Sheet 16**

**Position and Direction**

<p>Examples</p> <p>The  is in square E4</p> <p>The  is in square C5</p>	<table border="1" style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 5px;">5</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="padding: 5px;">4</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="padding: 5px;">3</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="padding: 5px;">1</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td></td> <td style="text-align: center;">A</td> <td style="text-align: center;">B</td> <td style="text-align: center;">C</td> <td style="text-align: center;">D</td> <td style="text-align: center;">E</td> </tr> </table> <div style="text-align: center; margin-top: 20px;"> </div>	5						4						3						2						1							A	B	C	D	E
5																																					
4																																					
3																																					
2																																					
1																																					
	A	B	C	D	E																																

Give the position of these symbols.

- |          |          |          |           |
|----------|----------|----------|-----------|
| 1  ..... | 4  ..... | 7  ..... | 10  ..... |
| 2  ..... | 5  ..... | 8  ..... | 11  ..... |
| 3  ..... | 6  ..... | 9  ..... | 12  ..... |

Draw the symbol which is found in these squares.

- |       |       |       |
|-------|-------|-------|
| 13 C5 | 15 A3 | 17 D3 |
| 14 E1 | 16 E4 | 18 B2 |

Follow the directions. Draw the symbol you come to.

- |  |  |
|--|--|
| <p>19 Start at D1<br/>North 2 squares<br/>West 3 squares</p> |  |
| <p>20 Start at B5<br/>South 4 squares<br/>East 1 square</p>  |  |
| <p>21 Start at A2<br/>North 3 squares<br/>East 4 squares</p> |  |
| <p>22 Start at E4<br/>South 1 square<br/>West 3 squares</p>  |  |
| <p>23 Start at C1<br/>North 4 squares<br/>West 2 squares</p> |  |
| <p>24 Start at A4<br/>South 2 squares<br/>East 3 squares</p> |  |



**Sheet 17**

**Number Sequences**

To find the rule that links the numbers, look at the gaps.

**Examples** 2    4    6    8    10    The rule is 'add 2'.  
 19    16    13    10    7    The rule is 'subtract 3'.

Write the first seven numbers in each sequence.

	Rule	Start at							
1	Add 2	11	11	13	15				
2	Take 4	36	36	32					
3	Add 3	7	7						
4	Take 5	50	50						
5	Add 100	117							
6	Take 10	83							
7	Add 5	2							
8	Take 2	24							

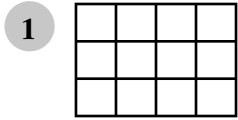
Complete the sequences by filling in the boxes.

9	6	9	12	15				
10	41	37	33	29				
11	15	25	35	45				
12	33	31	29	27				
13			75	80	85	90		
14			664	564	464	364		
15			18	22	26	30		
16			35	32	29	26		

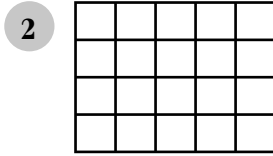
**Sheet 18**

**Multiplication and Division**

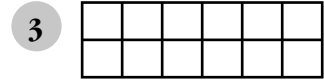
Write four facts for each array.



$\square \times \square = \square$   
 $\square \times \square = \square$   
 $\square \div \square = \square$   
 $\square \div \square = \square$



$\square \times \square = \square$   
 $\square \times \square = \square$   
 $\square \div \square = \square$   
 $\square \div \square = \square$



$\square \times \square = \square$   
 $\square \times \square = \square$   
 $\square \div \square = \square$   
 $\square \div \square = \square$

Write 3 related facts using the same three numbers.

4  $9 \times 10 = 90$

.....  
 .....  
 .....

5  $18 \div 3 = 6$

.....  
 .....  
 .....

6  $7 \times 4 = 28$

.....  
 .....  
 .....

Write the missing number in the box.

7  $5 \times \square = 10$

8  $6 \times \square = 30$

9  $7 \times \square = 70$

10  $4 \times \square = 24$

15  $\square \times 8 = 16$

16  $\square \times 2 = 14$

17  $\square \times 6 = 48$

18  $\square \times 4 = 20$

23  $\square \times 5 = 45$

24  $8 \times \square = 32$

25  $\square \times 10 = 100$

26  $6 \times \square = 36$

11  $\square \div 5 = 5$

12  $\square \div 2 = 8$

13  $\square \div 3 = 9$

14  $\square \div 6 = 7$

19  $30 \div \square = 3$

20  $24 \div \square = 6$

21  $60 \div \square = 10$

22  $35 \div \square = 7$

27  $\square \div 3 = 8$

28  $40 \div \square = 8$

29  $\square \div 7 = 2$

30  $30 \div \square = 5$

**Sheet 19**

**Doubling and Halving**

<b>Examples</b>	Double 14	Half of 36	
	$10 \times 2$ add $4 \times 2$	$30 \div 2$ add $6 \div 2$	or $20 \div 2$ add $16 \div 2$
	20 add 8	15 add 3	10 add 8
	28	18	18

Work out

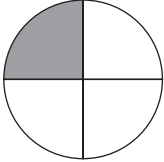
- |                              |                               |                               |
|------------------------------|-------------------------------|-------------------------------|
| <b>1</b> $6 \times 2$ .....  | <b>9</b> $18 \times 2$ .....  | <b>17</b> $17 \times 2$ ..... |
| <b>2</b> $15 \times 2$ ..... | <b>10</b> $11 \times 2$ ..... | <b>18</b> $14 \times 2$ ..... |
| <b>3</b> $8 \times 2$ .....  | <b>11</b> $16 \times 2$ ..... | <b>19</b> $19 \times 2$ ..... |
| <b>4</b> $20 \times 2$ ..... | <b>12</b> $13 \times 2$ ..... | <b>20</b> $12 \times 2$ ..... |
| <b>5</b> $14 \div 2$ .....   | <b>13</b> $24 \div 2$ .....   | <b>21</b> $40 \div 2$ .....   |
| <b>6</b> $20 \div 2$ .....   | <b>14</b> $36 \div 2$ .....   | <b>22</b> $38 \div 2$ .....   |
| <b>7</b> $18 \div 2$ .....   | <b>15</b> $28 \div 2$ .....   | <b>23</b> $26 \div 2$ .....   |
| <b>8</b> $30 \div 2$ .....   | <b>16</b> $32 \div 2$ .....   | <b>24</b> $34 \div 2$ .....   |

- 25** There are 11 players in one football team.  
How many players are there in two teams?
- 26** Lynne has two 20p coins.  
How much does she have altogether?  p
- 27** There are 24 books on a bookshelf. One half are on the top shelf. How many are on the other shelf?
- 28** Two pencils cost 30p.  
What does one pencil cost?  p
- 29** There are 16 sweets in one packet.  
How many sweets are there in two packets?
- 30** A piece of string is 38 cm long. It is cut in half.  
How long is each piece?  cm

**Sheet 20**

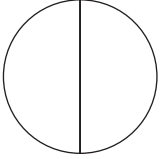
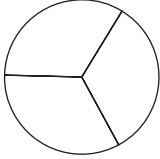
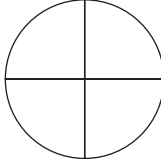
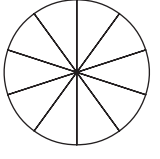
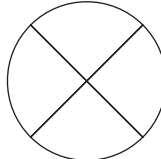
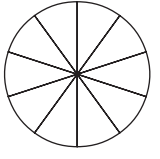
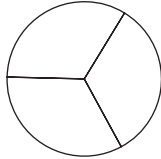
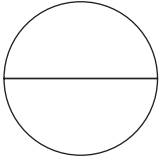
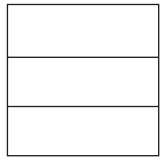
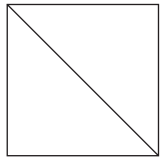
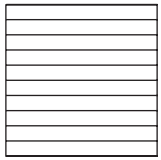
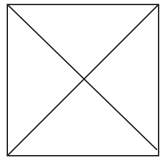
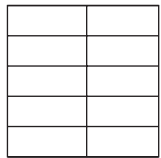
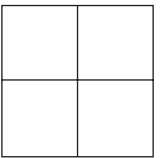
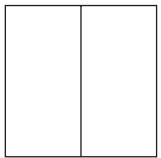
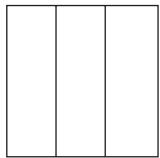
**Fractions**

**Example**

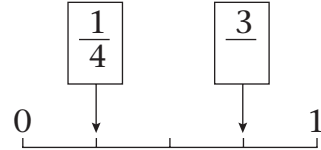
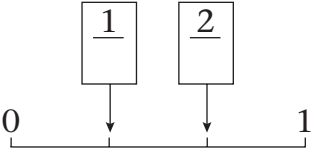
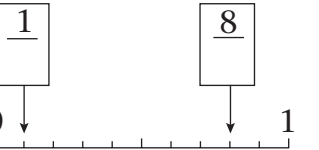


only  $\frac{1}{4}$  is shaded

Colour in one part of the shape. Write the fraction shown in the box

<b>1</b>			<b>5</b>		<b>9</b>		<b>13</b>
<b>2</b>			<b>6</b>		<b>10</b>		<b>14</b>
<b>3</b>			<b>7</b>		<b>11</b>		<b>15</b>
<b>4</b>			<b>8</b>		<b>12</b>		<b>16</b>

Complete the fraction shown in the box.

<b>17</b>		<b>18</b>		<b>19</b>	
-----------	---	-----------	---	-----------	---

**Sheet 21**

**Counting On**

Count on in 10s:

Count on in 100s:

1 60 from 231      291  
.....

6 400 from 390      .....

2 70 from 349      .....

7 600 from 254      .....

3 50 from 860      .....

8 700 from 36      .....

4 90 from 552      .....

9 800 from 125      .....

5 70 from 638.      .....

10 500 from 370.      .....

Count back in 1s:

Count back in 10s:

11 7 from 63      .....

16 50 from 182      .....

12 9 from 175      .....

17 40 from 430      .....

13 6 from 524      .....

18 70 from 327      .....

14 11 from 198      .....

19 60 from 742      .....

15 8 from 247.      .....

20 80 from 659.      .....

Continue the sequences.

21 342    352    362    372    .....    .....    .....    .....

22 135    134    133    132    .....    .....    .....    .....

23 109    209    309    409    .....    .....    .....    .....

24 453    443    433    423    .....    .....    .....    .....

25 194    195    196    197    .....    .....    .....    .....

26 980    880    780    680    .....    .....    .....    .....

27 230    240    250    260    .....    .....    .....    .....

28 301    401    501    601    .....    .....    .....    .....

**Sheet 22**

**+ / – Near Multiples of 10 and 100**

Work out

- |                     |       |                     |       |
|---------------------|-------|---------------------|-------|
| <b>1</b> 257 + 10   | ..... | <b>16</b> 755 – 99  | ..... |
| <b>2</b> 80 + 30    | ..... | <b>17</b> 138 – 19  | ..... |
| <b>3</b> 420 + 500  | ..... | <b>18</b> 424 – 101 | ..... |
| <b>4</b> 74 + 20    | ..... | <b>19</b> 177 – 21  | ..... |
| <b>5</b> 168 + 200  | ..... | <b>20</b> 363 – 199 | ..... |
| <b>6</b> 541 – 30   | ..... | <b>21</b> 79 + 29   | ..... |
| <b>7</b> 190 – 70   | ..... | <b>22</b> 26 + 51   | ..... |
| <b>8</b> 850 – 300  | ..... | <b>23</b> 237 + 198 | ..... |
| <b>9</b> 393 – 200  | ..... | <b>24</b> 214 + 203 | ..... |
| <b>10</b> 105 – 40  | ..... | <b>25</b> 48 + 31   | ..... |
| <b>11</b> 426 + 99  | ..... | <b>26</b> 864 – 97  | ..... |
| <b>12</b> 43 + 19   | ..... | <b>27</b> 162 – 41  | ..... |
| <b>13</b> 512 + 101 | ..... | <b>28</b> 655 – 304 | ..... |
| <b>14</b> 194 + 21  | ..... | <b>29</b> 498 – 29  | ..... |
| <b>15</b> 67 + 29   | ..... | <b>30</b> 154 – 42  | ..... |

Write the missing number in the box.

- |  |  |
|--|--|
| <b>31</b> <input type="text"/> + 21 = 168  | <b>36</b> <input type="text"/> – 19 = 737  |
| <b>32</b> <input type="text"/> – 99 = 785  | <b>37</b> <input type="text"/> + 102 = 484 |
| <b>33</b> <input type="text"/> + 19 = 44   | <b>38</b> <input type="text"/> – 21 = 108  |
| <b>34</b> <input type="text"/> – 101 = 532 | <b>39</b> <input type="text"/> + 98 = 671  |
| <b>35</b> <input type="text"/> + 31 = 59   | <b>40</b> <input type="text"/> – 199 = 325 |

**Sheet 23**

**Multiplying By Multiples of 10**

<b>Examples</b>	$4 \times 2 = 8$	$7 \times 5 = 35$
	$4 \times 20 = 80$	$7 \times 50 = 350$

Complete the multiplication tables.

- |  |  |  |
|--|--|--|
| <b>1</b> $1 \times 20 = \dots\dots\dots$ | <b>2</b> $1 \times 30 = \dots\dots\dots$ | <b>3</b> $1 \times 50 = \dots\dots\dots$ |
| $2 \times 20 = \dots\dots\dots$          | $2 \times 30 = \dots\dots\dots$          | $2 \times 50 = \dots\dots\dots$          |
| $3 \times 20 = \dots\dots\dots$          | $3 \times 30 = \dots\dots\dots$          | $3 \times 50 = \dots\dots\dots$          |
| $4 \times 20 = \dots\dots\dots$          | $4 \times 30 = \dots\dots\dots$          | $4 \times 50 = \dots\dots\dots$          |
| $5 \times 20 = \dots\dots\dots$          | $5 \times 30 = \dots\dots\dots$          | $5 \times 50 = \dots\dots\dots$          |
| $6 \times 20 = \dots\dots\dots$          | $6 \times 30 = \dots\dots\dots$          | $6 \times 50 = \dots\dots\dots$          |
| $7 \times 20 = \dots\dots\dots$          | $7 \times 30 = \dots\dots\dots$          | $7 \times 50 = \dots\dots\dots$          |
| $8 \times 20 = \dots\dots\dots$          | $8 \times 30 = \dots\dots\dots$          | $8 \times 50 = \dots\dots\dots$          |
| $9 \times 20 = \dots\dots\dots$          | $9 \times 30 = \dots\dots\dots$          | $9 \times 50 = \dots\dots\dots$          |
| $10 \times 20 = \dots\dots\dots$         | $10 \times 30 = \dots\dots\dots$         | $10 \times 50 = \dots\dots\dots$         |

Complete the tables.

**4**

		$\times 2$
40	$\longrightarrow$	80
30	$\longrightarrow$	
70	$\longrightarrow$	
	$\longrightarrow$	160
	$\longrightarrow$	100
	$\longrightarrow$	180

**5**

		$\times 3$
60	$\longrightarrow$	
50	$\longrightarrow$	
90	$\longrightarrow$	
	$\longrightarrow$	210
	$\longrightarrow$	90
	$\longrightarrow$	240

**6**

		$\times 4$
70	$\longrightarrow$	
40	$\longrightarrow$	
20	$\longrightarrow$	
	$\longrightarrow$	240
	$\longrightarrow$	360
	$\longrightarrow$	200

Write the missing number in the box.

- |                                     |                                     |                                     |
|-------------------------------------|-------------------------------------|-------------------------------------|
| <b>7</b> $\square \times 5 = 150$   | <b>11</b> $20 \times \square = 160$ | <b>15</b> $50 \times \square = 400$ |
| <b>8</b> $\square \times 2 = 40$    | <b>12</b> $50 \times \square = 350$ | <b>16</b> $\square \times 5 = 200$  |
| <b>9</b> $40 \times \square = 360$  | <b>13</b> $\square \times 6 = 120$  | <b>17</b> $\square \times 4 = 120$  |
| <b>10</b> $50 \times \square = 300$ | <b>14</b> $\square \times 5 = 400$  | <b>18</b> $40 \times \square = 240$ |

**Sheet 24**

**Using Partitioning to + / -**

<b>Examples</b>	$59 + 26 = 59 + 20 + 6$	$73 - 28 = 73 - 20 - 8$
	$= 79 + 6$	$= 53 - 8$
	$= 85$	$= 45$

Write the missing numbers in the boxes.

1  $45 + 27 = 45 + \square + \square$   
 $= \square + \square$   
 $= \square$

6  $46 - 25 = 46 - \square - \square$   
 $= \square - \square$   
 $= \square$

2  $39 + 16 = 39 + \square + \square$   
 $= \square + \square$   
 $= \square$

7  $86 - 27 = 86 - \square - \square$   
 $= \square - \square$   
 $= \square$

3  $57 + 28 = 57 + \square + \square$   
 $= \square + \square$   
 $= \square$

8  $74 - 36 = 74 - \square - \square$   
 $= \square - \square$   
 $= \square$

4  $48 + 35 = 48 + \square + \square$   
 $= \square + \square$   
 $= \square$

9  $92 - 65 = 92 - \square - \square$   
 $= \square - \square$   
 $= \square$

5  $76 + 17 = 76 + \square + \square$   
 $= \square + \square$   
 $= \square$

10  $75 - 48 = 75 - \square - \square$   
 $= \square - \square$   
 $= \square$

Work out by partitioning

11  $36 + 18$  .....54.....

17  $83 - 38$  .....

12  $57 + 34$  .....

18  $96 - 57$  .....

13  $39 + 35$  .....

19  $67 - 34$  .....

14  $48 + 27$  .....

20  $81 - 26$  .....

15  $67 + 25$  .....

21  $94 - 48$  .....

16  $36 + 29$  .....

22  $85 - 57$  .....



**Sheet 25**

**+ / - Near Multiples of 10**

**Examples**

$23 + 19 = 23 + 20 - 1$ $= 43 - 1$ $= 42$	$48 - 19 = 48 - 20 + 1$ $= 28 + 1$ $= 29$
$54 + 21 = 54 + 20 + 1$ $= 74 + 1$ $= 75$	$68 - 31 = 68 - 30 - 1$ $= 38 - 1$ $= 37$

Complete as in the examples.

1  $46 + 19 = \boxed{46} + \boxed{20} - \boxed{1}$   
 $= \boxed{\phantom{00}} - \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}}$

5  $32 + 19 = \boxed{\phantom{00}} + \boxed{\phantom{00}} - \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}} - \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}}$

2  $27 + 21 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}} + \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}}$

6  $43 + 21 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}} + \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}}$

3  $76 - 19 = \boxed{\phantom{00}} - \boxed{\phantom{00}} + \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}} + \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}}$

7  $94 - 19 = \boxed{\phantom{00}} - \boxed{\phantom{00}} + \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}} + \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}}$

4  $66 - 21 = \boxed{\phantom{00}} - \boxed{\phantom{00}} - \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}} - \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}}$

8  $49 - 21 = \boxed{\phantom{00}} - \boxed{\phantom{00}} - \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}} - \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}}$

Work out mentally.

9  $34 + 9$  .....

13  $36 + 19$  .....

17  $58 + 29$  .....

10  $46 + 11$  .....

14  $65 + 21$  .....

18  $36 + 31$  .....

11  $51 - 9$  .....

15  $43 - 19$  .....

19  $61 - 29$  .....

12  $67 - 11$  .....

16  $77 - 21$  .....

20  $85 - 41$  .....

**Sheet 26**

**Multiplication Facts For 3, 4, 6**

Write the missing number in the box.

1  $5 \times 3 = \square$

2  $10 \times 3 = \square$

3  $1 \times 3 = \square$

4  $8 \times 3 = \square$

5  $9 \div 3 = \square$

6  $18 \div 3 = \square$

7  $21 \div 3 = \square$

8  $27 \div 3 = \square$

9  $\square \times 3 = 12$

10  $\square \times 3 = 24$

11  $\square \times 3 = 15$

12  $\square \times 3 = 27$

13  $\square \div 3 = 7$

14  $\square \div 3 = 10$

15  $\square \div 3 = 2$

16  $\square \div 3 = 6$

17  $4 \times 4 = \square$

18  $9 \times 4 = \square$

19  $3 \times 4 = \square$

20  $6 \times 4 = \square$

21  $32 \div 4 = \square$

22  $8 \div 4 = \square$

23  $28 \div 4 = \square$

24  $20 \div 4 = \square$

25  $\square \times 4 = 40$

26  $\square \times 4 = 24$

27  $\square \times 4 = 32$

28  $\square \times 4 = 4$

29  $\square \div 4 = 5$

30  $\square \div 4 = 7$

31  $\square \div 4 = 4$

32  $\square \div 4 = 9$

33  $6 \times 6 = \square$

34  $2 \times 6 = \square$

35  $9 \times 6 = \square$

36  $5 \times 6 = \square$

37  $42 \div 6 = \square$

38  $24 \div 6 = \square$

39  $60 \div 6 = \square$

40  $48 \div 6 = \square$

41  $\square \times 6 = 18$

42  $\square \times 6 = 30$

43  $\square \times 6 = 12$

44  $\square \times 6 = 54$

45  $\square \div 6 = 7$

46  $\square \div 6 = 4$

47  $\square \div 6 = 8$

48  $\square \div 6 = 6$

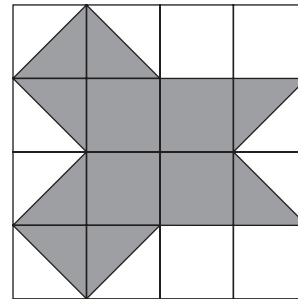
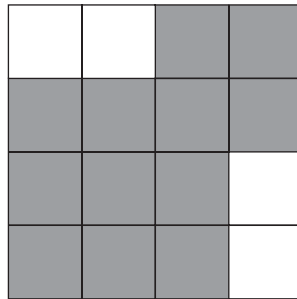
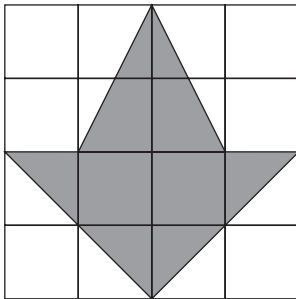
**Sheet 27**

**Line Symmetry**

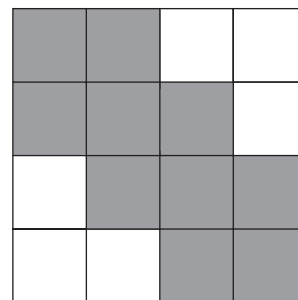
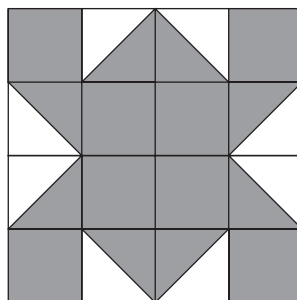
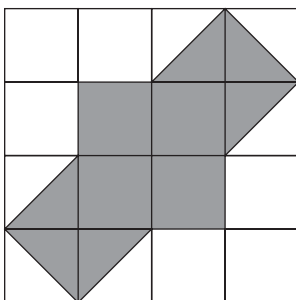
**E F H L O S T W X Z**

- 1 Write down the above letters which have:
  - a) no lines of symmetry .....
  - b) one line of symmetry .....
  - c) more than one line of symmetry .....

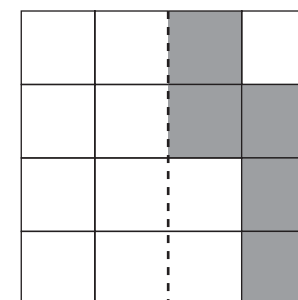
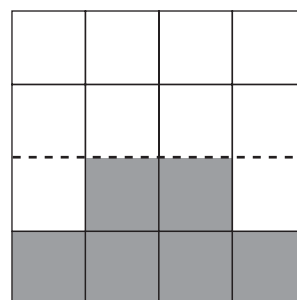
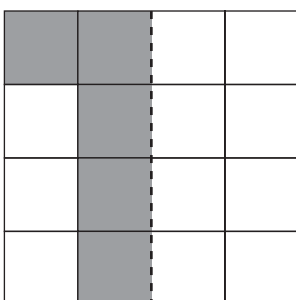
- 2 Draw one line of symmetry on each shape.



- 3 Draw two lines of symmetry on each shape.

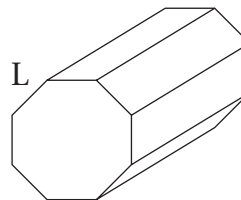
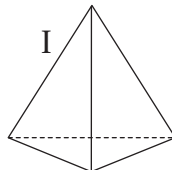
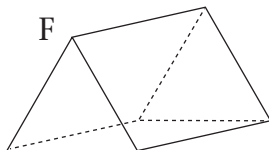
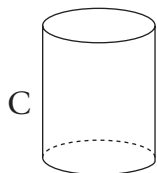
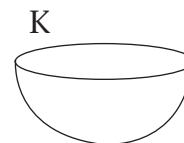
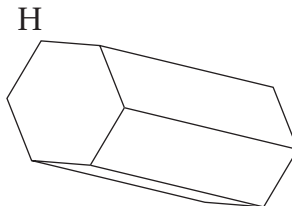
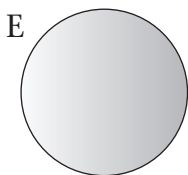
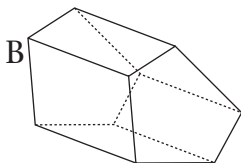
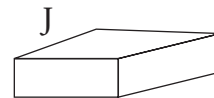
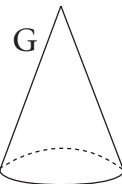
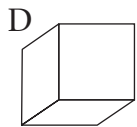
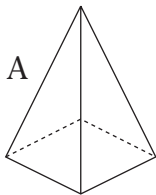


- 4 Draw the other half to make a symmetrical shape.



Sheet 28

Three-dimensional Shapes



1 Write each of the letters A–L by the name of the correct shape.

.....J.....cuboid

.....pentagonal prism

.....triangular prism

.....triangular based pyramid

.....cylinder

.....cone

.....square based pyramid

.....cube

.....hexagonal prism

.....octagonal prism

.....sphere

.....hemi-sphere

2 Write the letters of all the shapes with:

a) curved faces .....

b) one or more rectangular faces .....

c) eight or more edges .....

d) five or less corners .....

**Sheet 29**

**Pictograms and Bar Charts**

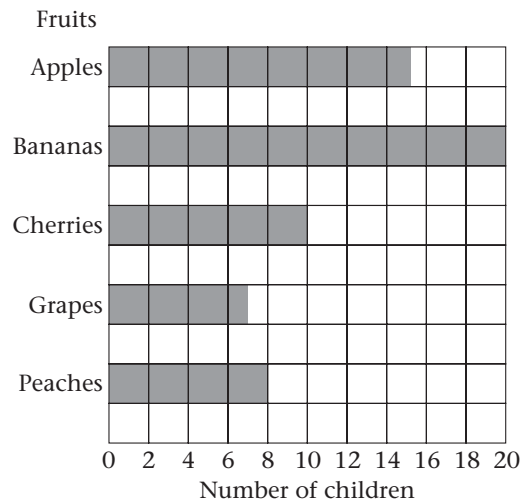
1 Some children were asked how they would like to celebrate their birthday. The pictogram shows the results.



1 pictogram represents 2 children

- a) Which was the most popular way to spend a birthday?  
.....
- b) Which was the least popular way to spend a birthday?  
.....
- c) How many children chose swimming?  
.....
- d) How many children chose a Bar BQ?  
.....
- e) How many more children chose the cinema than a Bar BQ? .....
- f) How many less children chose a fun fair than a party? .....
- g) How many children were asked altogether? .....

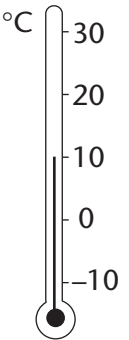
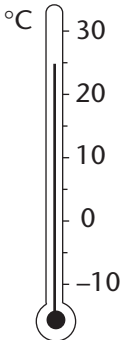
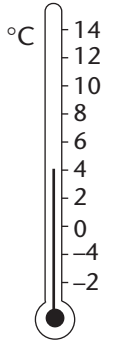
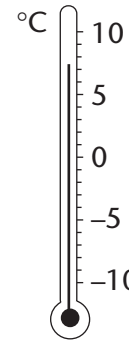
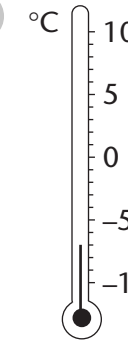
2 The children in Year 3 were asked to choose their favourite fruit. The fruits chosen were apples, bananas, cherries, grapes and peaches. These are the results.



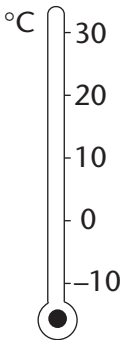
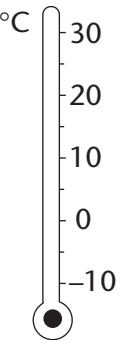
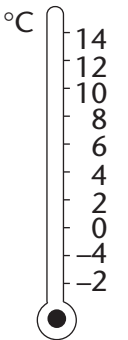
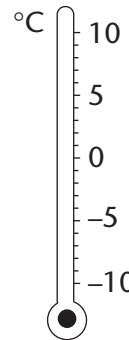
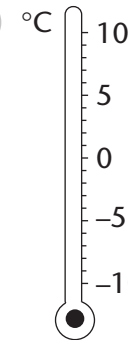
- a) Which fruit was chosen most often? .....
- b) Which fruit was chosen least often? .....
- c) How many children chose:
  - apples
  - peaches
  - cherries?
- d) Joe says half the children chose apples or bananas. Sarah says half the children chose cherries or bananas. Who is right? .....
- e) Which fruit would you have chosen? .....

**Sheet 30** **Temperature**

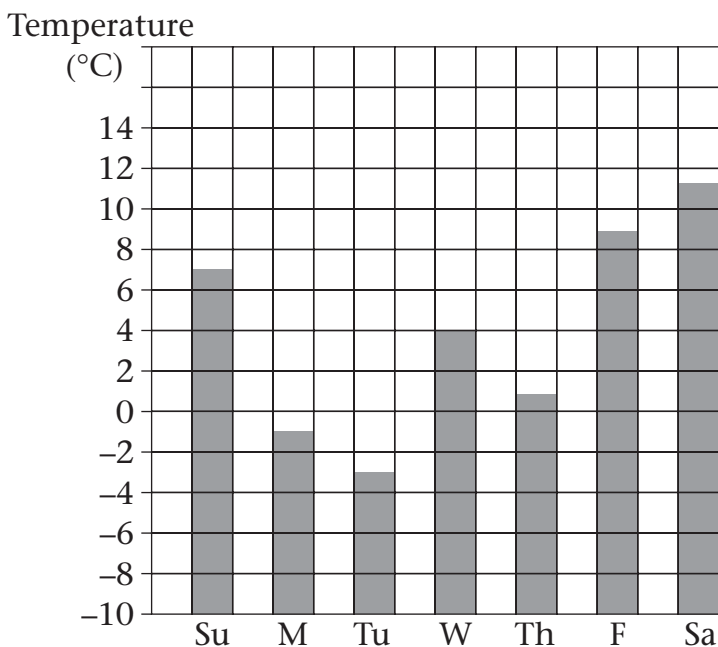
Write the temperature shown in the box.

<p><b>1</b> °C</p>  <p><input type="text"/> °C</p>	<p><b>2</b> °C</p>  <p><input type="text"/> °C</p>	<p><b>3</b> °C</p>  <p><input type="text"/> °C</p>	<p><b>4</b> °C</p>  <p><input type="text"/> °C</p>	<p><b>5</b> °C</p>  <p><input type="text"/> °C</p>
---	---	---	--	---

Show the temperature by drawing the liquid in the thermometer.

<p><b>6</b> °C</p>  <p>0°C</p>	<p><b>7</b> °C</p>  <p>-5°C</p>	<p><b>8</b> °C</p>  <p>10°C</p>	<p><b>9</b> °C</p>  <p>3°C</p>	<p><b>10</b> °C</p>  <p>-2°C</p>
--	---	---	---	--

This graph shows the temperature recorded for one week in February.



Complete the sentences.

- 11** The warmest temperature recorded was  °C.
- 12** The coldest temperature was  °C.
- 13** It was  °C on Friday.
- 14** It was 1°C on .....
- 15** The temperature fell  °C from Sunday to Monday.
- 16** The temperature rose  °C from Tuesday to Wednesday.