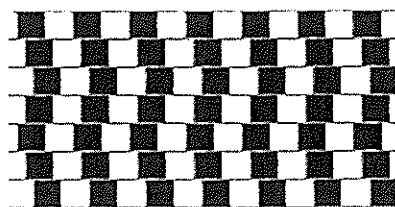
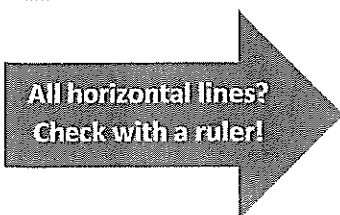




Focus	Date completed	Parent initials	Focus	Date completed	Parent initials
Place value of digits			Square centimetres		
Number problems			Calendars		
Multiplication facts			Reflection		
Sums, differences, doubles and halves			Reflect, translate, rotate		
Using mental strategies			a.m. and p.m. time		
Ordinal numbers			Direction		
Number sequences			Column graphs		
Number patterns and rules					



Name:

Class:

I can say what any digit represents in a number with up to seven digits.

The value of a digit depends upon its position in the number.

Example 1 423 698

M	HTh	TTh	Th	H	T	U
1	4	2	3	6	9	8

The 1 has a value of 1 000 000.

The 4 has a value of 400 000.

The 2 has a value of 20 000.

The 3 has a value of 3 000.

The 6 has a value of 600.

The 9 has a value of 90.

The 8 has a value of 8.

A

Copy and complete by writing the missing number in the box.

1 $369 = \square + 60 + 9$

2 $1426 = 1000 + 400 + \square + 6$

3 $2193 = 2000 + 100 + 90 + \square$

4 $4537 = \square + 500 + 30 + 7$

5 $3858 = 3000 + \square + 50 + \square$

6 $672 = \square + \square + 2$

7 $5724 = \square + 700 + \square + 4$

8 $2917 = 2000 + \square + \square + 7$

9 $1946 = \square + 900 + 40 + \square$

10 $1156 = 1000 + \square + \square + \square$

11 $8538 = \square + \square + \square + \square$

12 $3532 = \square + \square + \square + \square$

B

Write down the value of the digit underlined.

1 3982

4 38674

7 1659 249

10 9 772 851

13 753 217

2 6715

5 185 037

8 1 518 598

11 2 396 910

14 4 805 246

3 24360

6 241 426

9 3460 103

12 3 824 672

15 5130 909

Add 4000 to:

16 13 672

17 100 813

18 145 628

Add 30 000 to:

19 243 497

20 813

21 1 545 628

Take 200 from:

22 424 357

23 1 173 884

24 12 916

Take 100 000 from:

25 432 176

26 1 918 534

27 6 259 019

C

Write the answers only.

1 $317496 + 60000$

4 $62584 - 20000$

7 $7436 + 1000000$

2 $1854031 + 9000$

5 $450267 + 700000$

8 $5219320 - 4000$

3 $2007193 - 4000$

6 $3194805 - 2000000$

9 $1329754 - 300000$

Add 600 000 to:

10 1 587 362

11 204 189

Add 25 000 to:

12 8174

13 5

Take 7000 from:

14 28 298

15 142 165

Take 1100 from:

16 1 211 471

17 95 362

I can use written methods to solve number problems and puzzles.

A

- 1 Find two numbers with:
 - a) a total of 100 and a difference of 30
 - b) a total of 200 and a difference of 84
 - c) a total of 500 and a difference of 146.
- 2 I think of a number. I add 86. I take 147. The answer is 215. What is my number?
- 3 I think of a number. I take 79. I add 54. The answer is 154. What is my number?

Copy and complete by writing the missing digits in the boxes.

- 4 $4\Box + \Box3 = 109$
- 5 $\Box7 + 9\Box = 130$
- 6 $\Box6 + 5\Box = 138$
- 7 $6\Box + \Box4 = 143$
- 8 $9\Box - \Box6 = 36$
- 9 $\Box\Box7 - 8\Box = 85$
- 10 $19\Box - \Box5 = 119$
- 11 $11\Box - \Box7 = 71$

B

- 1 Find two numbers with:
 - a) a total of 1000 and a difference of 238
 - b) a total of 750 and a difference of 162.
- 2 I think of a number. I subtract 173. I add 369. The answer is 536. What is my number?
- 3 I think of a number. I add 215. I subtract 347. The answer is 295. What is my number?

Copy and complete.

$$\begin{array}{r} 4 \quad 3 \quad \Box \quad 8 \\ + \quad \Box \quad 0 \quad \Box \\ \hline 5 \quad 6 \quad 3 \end{array}$$

$$\begin{array}{r} 5 \quad \Box \quad 8 \quad \Box \\ + \quad 1 \quad \Box \quad 8 \\ \hline 7 \quad 6 \quad 1 \end{array}$$

$$\begin{array}{r} 6 \quad \Box \quad 1 \quad \Box \\ - \quad 2 \quad \Box \quad 3 \\ \hline 6 \quad 3 \end{array}$$

$$\begin{array}{r} 7 \quad 6 \quad \Box \quad 1 \\ - \quad \Box \quad 7 \quad \Box \\ \hline 4 \quad 1 \quad 3 \end{array}$$

C

- 1 Find two numbers with:
 - a) a total of 5000 and a difference of 1354
 - b) a total of 3800 and a difference of 478.
- 2 I think of a number. I add 2753. I subtract 3572. The answer is 4839. What is my number?
- 3 I think of a number. I subtract 562. I add 1716. The answer is 2348. What is my number?

Copy and complete.

$$\begin{array}{r} 4 \quad \Box \quad 3 \quad \Box \quad 8 \\ + \quad 2 \quad \Box \quad 7 \quad \Box \\ \hline 4 \quad 2 \quad 4 \quad 3 \end{array}$$

$$\begin{array}{r} 5 \quad 3 \quad \Box \quad 7 \quad \Box \\ + \quad \Box \quad 5 \quad \Box \quad 7 \\ \hline 5 \quad 0 \quad 7 \quad 0 \end{array}$$

$$\begin{array}{r} 6 \quad 4 \quad \Box \quad 2 \quad \Box \\ - \quad \Box \quad 6 \quad \Box \quad 9 \\ \hline 2 \quad 7 \quad 4 \quad 6 \end{array}$$

$$\begin{array}{r} 7 \quad \Box \quad 1 \quad \Box \quad 6 \\ - \quad 3 \quad \Box \quad 4 \quad \Box \\ \hline 1 \quad 3 \quad 9 \quad 8 \end{array}$$

I can recall the multiplication and division facts to 10×10 .

A

What is

1 8×4

2 4×7

3 9×2

4 6×6

5 7×3

6 3×9

7 7×8

8 6×3

9 9×9

10 7×5

11 8×6

12 5×4

13 $40 \div 5$

14 $16 \div 8$

15 $30 \div 10$

16 $49 \div 7$

17 $20 \div 2$

18 $30 \div 6$

19 $63 \div 7$

20 $50 \div 10$

21 $64 \div 8$

22 $27 \div 3$

23 $54 \div 9$

24 $36 \div 4$

B

Copy and complete.

1 $\square \times 2 = 14$

2 $\square \times 7 = 42$

3 $\square \times 3 = 24$

4 $\square \times 8 = 72$

5 $\square \times 6 = 42$

6 $\square \times 9 = 72$

7 $\square \div 7 = 8$

8 $\square \div 5 = 6$

9 $\square \div 9 = 7$

10 $\square \div 6 = 9$

11 $\square \div 8 = 6$

12 $\square \div 4 = 7$

Write the answers only.

13 70×8 25 $320 \div 4$

14 600×3 26 $540 \div 9$

15 30×6 27 $4000 \div 8$

16 400×9 28 $7000 \div 10$

17 400×5 29 $480 \div 6$

18 50×7 30 $6300 \div 7$

19 800×20 31 $400 \div 8$

20 70×70 32 $2400 \div 4$

21 300×80 33 $2100 \div 7$

22 600×60 34 $420 \div 6$

23 40×40 35 $810 \div 9$

24 50×90 36 $6400 \div 8$

C

Copy and complete.

1 $\square \times 40 = 24\,000$

2 $\square \times 60 = 1800$

3 $\square \times 90 = 72\,000$

4 $\square \times 80 = 56\,000$

5 $\square \times 70 = 63\,000$

6 $\square \times 30 = 1500$

7 $\square \div 9 = 50$

8 $\square \div 5 = 600$

9 $\square \div 7 = 30$

10 $\square \div 6 = 900$

11 $\square \div 2 = 70$

12 $\square \div 8 = 600$

Write the answers only.

13 0.7×6 25 $4.0 \div 8$

14 0.9×8 26 $4.5 \div 5$

15 0.6×2 27 $4.2 \div 7$

16 0.8×7 28 $4.8 \div 6$

17 0.9×3 29 $6.3 \div 9$

18 0.6×9 30 $3.6 \div 4$

19 7×0.5 31 $4.9 \div 7$

20 3×0.9 32 $2.4 \div 3$

21 6×0.6 33 $3.2 \div 8$

22 4×0.7 34 $8.1 \div 9$

23 8×0.8 35 $2.0 \div 2$

24 7×0.4 36 $3.0 \div 6$

I can find the sums and differences and the doubles and halves of numbers with up to two decimal places.

Examples

$46 + 39 = 85$

$4.6 + 3.9 = 8.5$

$0.46 + 0.39 = 0.85$

$460 + 390 = 850$

$65 - 37 = 28$

$6.5 - 3.7 = 2.8$

$0.65 - 0.37 = 0.28$

$6500 - 3700 = 2800$

$58 \times 2 = 116$

$5.8 \times 2 = 11.6$

$0.58 \times 2 = 1.16$

$580 \times 2 = 1160$

$358 \div 2 = 179$

$35.8 \div 2 = 17.9$

$3.58 \div 2 = 1.79$

$3580 \div 2 = 1790$

A

$63 - 37 = 26$

Use the above fact to work out these linked calculations.

1 $63 - 26$

2 $26 + 37$

3 $37 + 26$

4 $630 - 370$

5 $6.3 - 3.7$

6 $370 + 260$

7 $0.63 - 0.37$

8 $2.6 + 3.7$

Double these numbers.

9 17

13 29

10 1.7

14 0.29

11 35

15 46

12 350

16 4600

Halve these numbers.

17 32

21 74

18 3.2

22 0.74

19 46

23 52

20 460

24 5200

B

Write the answers only.

1 $4.6 + 3.7$

2 $0.63 - 0.29$

3 $390 + 230$

4 $8500 - 4300$

5 $0.65 + 0.58$

6 $7.5 - 3.8$

7 $3600 + 4800$

8 $940 - 670$

9 $7.3 + 2.9$

10 $0.81 - 0.34$

Double these numbers.

11 5.2

15 840

12 670

16 0.76

13 0.59

17 3700

14 6500

18 0.93

Halve these numbers.

19 920

23 0.56

20 8.4

24 1580

21 1.48

25 12.8

22 16200

26 19600

C

Copy and complete.

1 $\square + 0.46 = 0.72$

2 $\square - 3.2 = 5.9$

3 $3300 + \square = 7500$

4 $970 - \square = 530$

5 $\square + 4.7 = 11.3$

6 $\square - 0.41 = 0.39$

7 $160 + \square = 8400$

8 $6200 - \square = 3800$

9 $\square + 0.17 = 0.76$

10 $\square - 0.25 = 0.82$

11 $\square \times 2 = 14.6$

12 $\square \times 2 = 1940$

13 $\square \times 2 = 1.38$

14 $\square \times 2 = 15200$

15 $\square \times 2 = 11.4$

16 $\square \div 2 = 550$

17 $\square \div 2 = 0.66$

18 $\square \div 2 = 9.7$

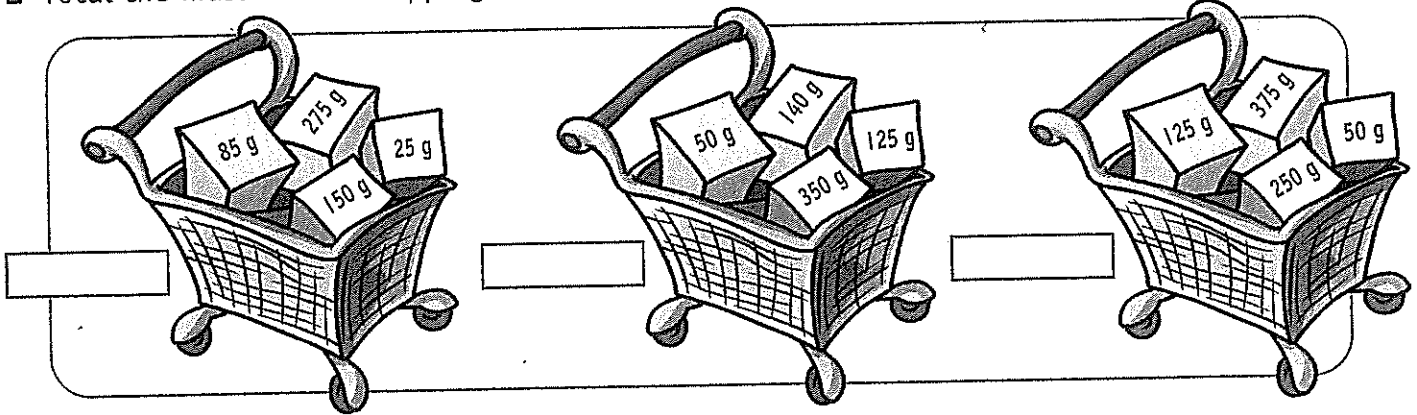
19 $\square \div 2 = 8300$

20 $\square \div 2 = 0.99$

Using mental strategies

1 a $400 + 300 =$ _____ b $200 + 900 =$ _____ c $300 + 800 =$ _____ d $700 + 400 =$ _____

2 Total the mass in the shopping baskets. Look for easy combinations!



3 Write the total distance travelled on these journeys.

	Canberra		Road distances in kilometres.	
Bathurst	271	Bathurst		
Dubbo	414	209	Dubbo	
Orange	309	53	156	Orange
Sydney	320	219	428	262

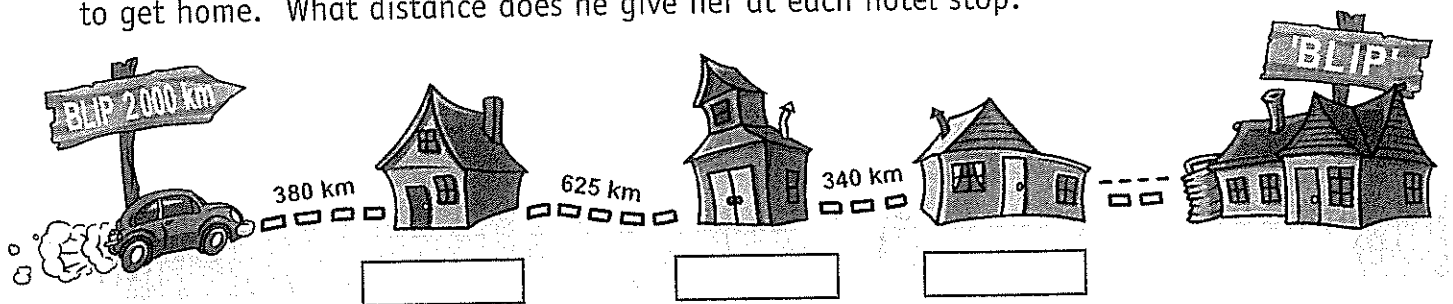
- a Bathurst → Canberra → Sydney _____
 b Dubbo → Orange → Canberra _____
 c Sydney → Canberra → Orange _____

SUBTRACTION

4 Count backwards by 28 from 500 until you reach 304.

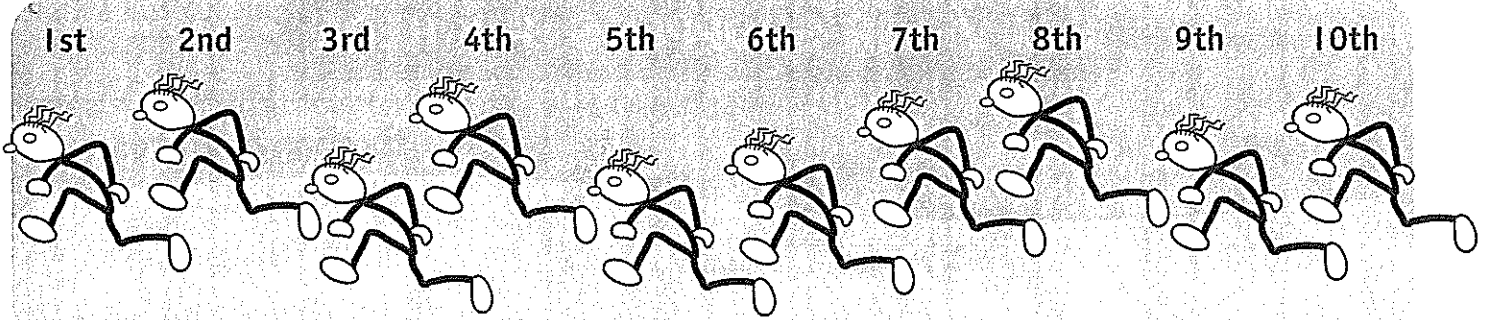
500 → _____ → _____ → _____ → _____ → _____ → _____ → 304

5 As Harry reaches each town he calls his wife to tell her how much farther he has to go to get home. What distance does he give her at each hotel stop?



6 a
$$\begin{array}{r} 6000 \\ - 468 \\ \hline \end{array}$$
 b
$$\begin{array}{r} 3000 \\ - 742 \\ \hline \end{array}$$
 c
$$\begin{array}{r} 8000 \\ - 397 \\ \hline \end{array}$$
 d
$$\begin{array}{r} 5000 \\ - 295 \\ \hline \end{array}$$
 e
$$\begin{array}{r} 9000 \\ - 675 \\ \hline \end{array}$$

Ordinal numbers



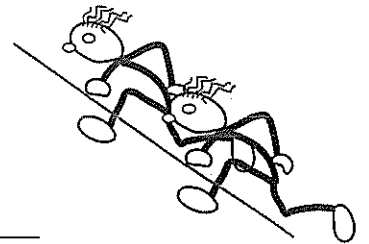
- 1 a The person who is 5 places behind 10th would be in _____ position.
- b The person who is 8 places behind 24th would be in _____ position.
- c The person who is 3 places ahead of 24th would be in _____ position.
- d The person who is 5 places behind 95th would be in _____ position.
- e The person who is 8 places ahead of 74th would be in _____ position.

TIED PLACES

When two people tie in a position, the next position skips one.
eg 2 people tie for first the next position is third.

2 What is the position after:

- a a tied 4th? _____
- b a tied 19th? _____
- c a tied fifteenth? _____
- d three places after a tied sixth? _____



- 3 a Write in numerals: fifteen million, four hundred and sixty-seven thousand, two hundred and four. _____
- b What number is fifty less than half a million? _____
- c Add a quarter of a million to one million. _____
- d Change 2.4 to hundredths. _____
- e One quarter of a number is 120. What is the number? _____
- f What is missing? $2\ 386\ 004 = 2\ 000\ 000 + 6\ 000 + 4 + 300\ 000 +$ _____
- 4 Round to ten thousands and estimate.
 - a $26\ 500 \times 7$ _____
 - b $8 \times 31\ 960$ _____
 - c $67\ 800 \times 2$ _____
 - d $23\ 600 \div 8$ _____
 - e $22\ 145 \div 4$ _____
 - f $47\ 750 \div 80$ _____
- 5 The term \$270K means \$270 000. It is used to write salaries and real estate amounts.

What salaries are offered in this office?

 - a Secretary \$28K _____
 - b Sales Manager \$65K _____

What prices are being asked for these houses?

 - c 1 John Pl \$450K _____
 - d 3 Pippon Ln \$2 150K _____
 - e 13 Gyp St \$487.5K _____

I can find missing numbers in a sequence including those with negative numbers.

To find the rule that links the numbers study the gaps.

Examples

4 0 -4 -8 -12
1 4 7 10 13

The rule is *subtract 4*.

The rule is *add 3*.

A

Write the first six numbers in each sequence.

	Start at	Rule		Start at	Rule		Start at	Rule
1	23	+2	6	83	-7	11	21	+5
2	56	-8	7	59	+3	12	48	-6
3	125	+25	8	56	-7	13	19	+9
4	73	-5	9	5	+8	14	110	-20
5	47	+4	10	120	-3	15	21	+11

B

Complete these sequences by filling in the boxes. Write the rule each time.

- | | | | | | | | | | | | | | | | |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 83 | 85 | 87 | 89 | <input type="text"/> | <input type="text"/> | <input type="text"/> | 9 | <input type="text"/> | 62 | <input type="text"/> | <input type="text"/> | 47 | 42 | 37 |
| 2 | -1 | -3 | -5 | -7 | <input type="text"/> | <input type="text"/> | <input type="text"/> | 10 | 21 | 18 | <input type="text"/> | 12 | <input type="text"/> | 6 | <input type="text"/> |
| 3 | <input type="text"/> | <input type="text"/> | <input type="text"/> | 175 | 225 | 275 | 325 | 11 | 62 | <input type="text"/> | 48 | <input type="text"/> | <input type="text"/> | 27 | 20 |
| 4 | <input type="text"/> | <input type="text"/> | <input type="text"/> | 61 | 72 | 83 | 94 | 12 | <input type="text"/> | 49 | 42 | <input type="text"/> | 28 | 21 | <input type="text"/> |
| 5 | 68 | 64 | <input type="text"/> | <input type="text"/> | <input type="text"/> | 48 | 44 | 13 | 114 | <input type="text"/> | 316 | <input type="text"/> | 518 | <input type="text"/> | 720 |
| 6 | 325 | 350 | <input type="text"/> | <input type="text"/> | <input type="text"/> | 450 | 475 | 14 | <input type="text"/> | -40 | <input type="text"/> | <input type="text"/> | -25 | -20 | -15 |
| 7 | -24 | -20 | -16 | -12 | <input type="text"/> | <input type="text"/> | <input type="text"/> | 15 | 68 | 57 | <input type="text"/> | 35 | <input type="text"/> | 13 | <input type="text"/> |
| 8 | -2 | <input type="text"/> | -10 | <input type="text"/> | -18 | <input type="text"/> | -26 | 16 | -5 | <input type="text"/> | -15 | <input type="text"/> | <input type="text"/> | -30 | -35 |

C

Copy the sequences and write the next three numbers. What is the rule for each sequence?

- | | | | | | | | | | | | | | | |
|---|-----|-----|-----|-----|----|------|------|------|------|----|----|----|----|-----|
| 1 | 77 | 83 | 89 | 95 | 7 | 3 | 1 | -1 | -3 | 13 | 48 | 38 | 28 | 18 |
| 2 | -2 | -4 | -6 | -8 | 8 | 0.25 | 0.5 | 0.75 | 1.0 | 14 | 45 | 38 | 31 | 24 |
| 3 | 0.1 | 0.3 | 0.5 | 0.7 | 9 | 132 | 121 | 110 | 99 | 15 | 64 | 52 | 40 | 28 |
| 4 | 68 | 77 | 86 | 95 | 10 | 0.05 | 0.06 | 0.07 | 0.08 | 16 | 5 | 24 | 43 | 62 |
| 5 | 25 | 20 | 15 | 10 | 11 | 54 | 62 | 70 | 78 | 17 | 19 | 13 | 7 | 1 |
| 6 | 35 | 60 | 85 | 110 | 12 | 18 | 14 | 10 | 6 | 18 | 48 | 69 | 90 | 111 |

9 Follow the rules in order to complete the number patterns.

a Rule: Add 7.

●	5	10	15	20	25	30	35
▲	12	17					

b Rule: Add 23.

●	2	5	8	11	14	17	20
▲	25						

c Rule: Subtract 13.

●	41	40	39	38	37	36	35
▲	28						

d Rule: Add 21.

●	14	18	22	26	30	34	38
▲	35						

e Rule: Add 19.

●	6	9	12	15	18	21	24
▲							

f Rule: Subtract 24.

●	86	76	66	56	46	36	26
▲							

10 Create two number patterns and above each one write its rule. Each pattern should involve one or two operations.

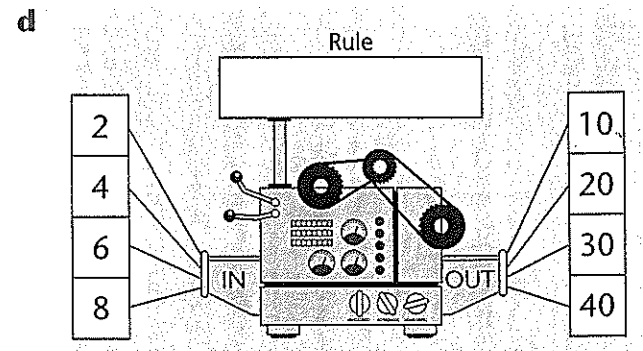
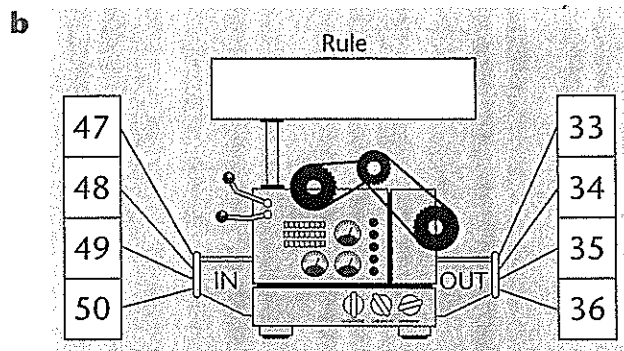
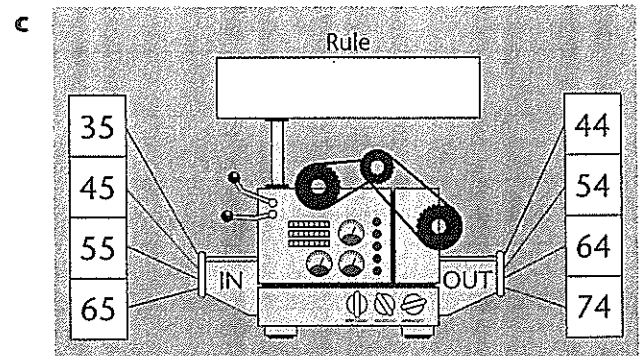
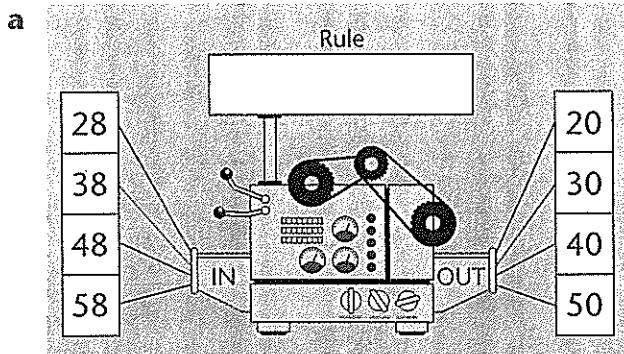
Rule: _____

●							
■							

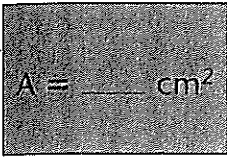
Rule: _____

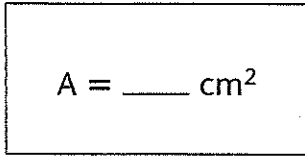
●							
■							

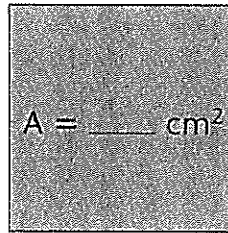
11 Write the rule for each function machine.

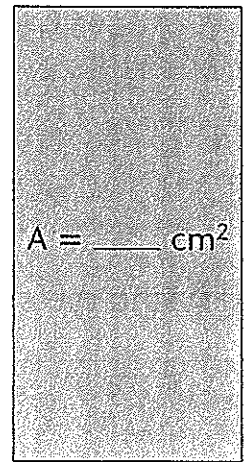


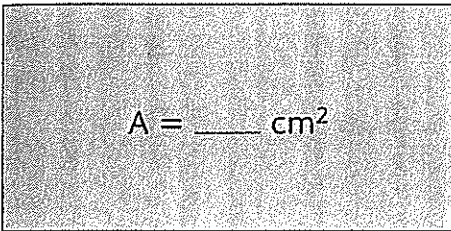
11 Use the formula "length \times width = area" to calculate the area of each shape in square centimetres.

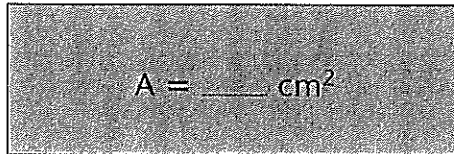
a  $A = \underline{\quad} \text{ cm}^2$

b  $A = \underline{\quad} \text{ cm}^2$

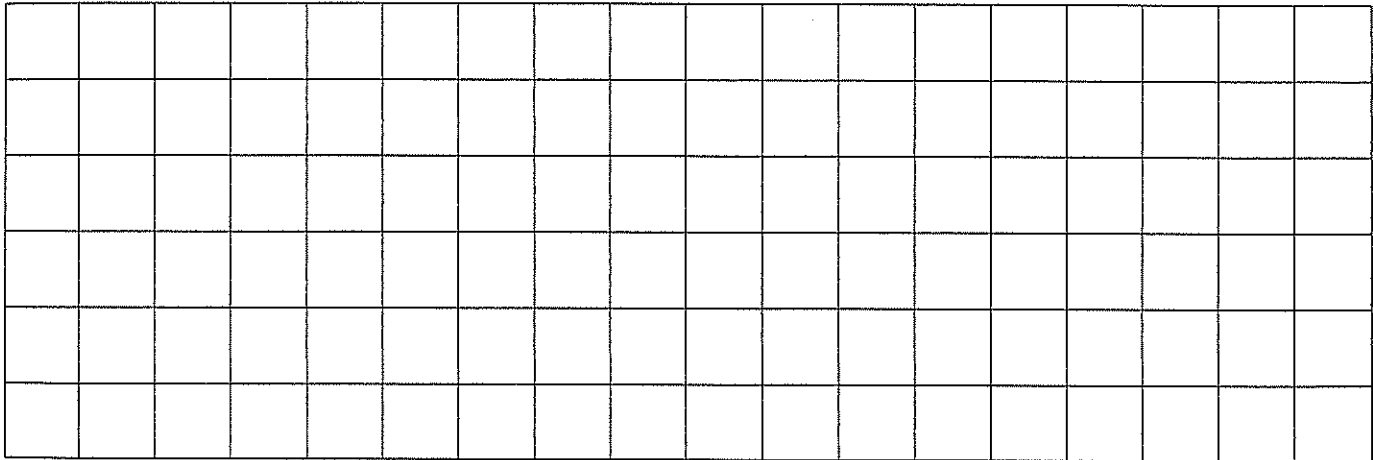
c  $A = \underline{\quad} \text{ cm}^2$

d  $A = \underline{\quad} \text{ cm}^2$

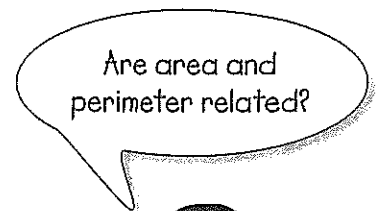
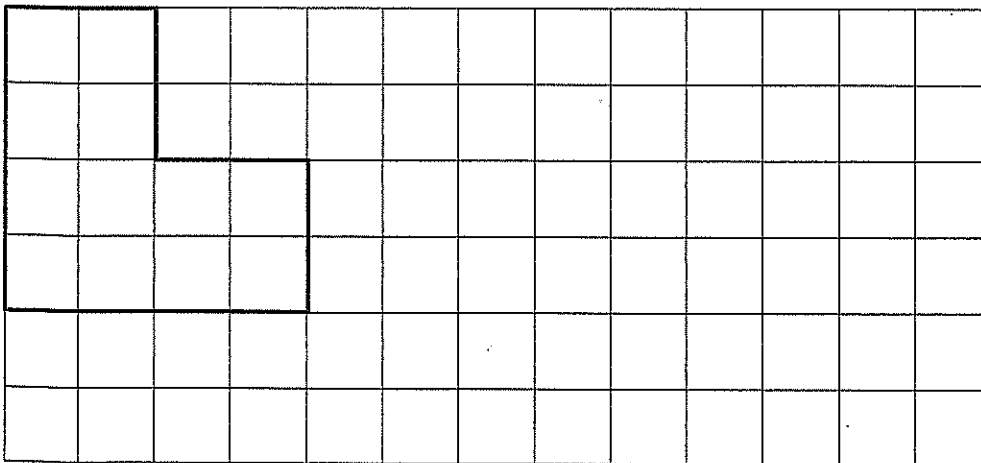
e  $A = \underline{\quad} \text{ cm}^2$

f  $A = \underline{\quad} \text{ cm}^2$

12 Use the formula "length \times width = area" to create two rectangles, each with an area of 24 cm^2 .



13 Kate drew this 12 cm^2 shape and told her friend that all shapes with a 12 cm^2 area have a perimeter of 16 cm . Draw two more shapes of 12 cm^2 to find out if Kate is right.



I can use a calendar to find the day of the week for a particular date and to find how long it is between two dates.

*30 days has September,
April, June and November.
All the rest have 31,
Save for February alone,
Which has but 28 days clear
And 29 in each leap year.*

Leap years occur every four years.
The years which are leap years are easy to remember because they are multiples of four: 2004, 2008, 2012, etc.

A

How many days are there in:

- ① March
- ② April
- ③ May and June
- ④ July and August?

FEBRUARY						
Su	M	Tu	W	Th	F	Sa
	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						

- ⑤ Look at the calendar. Is this a leap year? How do you know?
- ⑥ On what day will these children have their birthday?
 - a) Gavin – 4th February
 - b) Kate – 23rd February
 - c) Davina – 6th March
 - d) Amy – 31st January
- ⑦ Jack's birthday is on the first Saturday of February. Rose's birthday is one week later. When is Rose's birthday?
- ⑧ Half term starts on Friday 23rd October. It lasts one week. What is the date of the first Monday back at school?

B

What will be the date two weeks after:

- ① 22nd April
- ② 18th September
- ③ 25th December
- ④ 19th October?

MARCH 2011						
Su	M	Tu	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

- Use the above calendar. On what day of the week do these birthdays fall?
- ⑤ Leon – March 13th
 - ⑥ Meera – March 23rd
 - ⑦ Marc – February 25th
 - ⑧ Judy – April 10th
 - ⑨ Write out the calendar for April 2011.
 - ⑩ Christmas Day is a Tuesday. What day of the week is New Year's Eve?

C

What will be the date five weeks after:

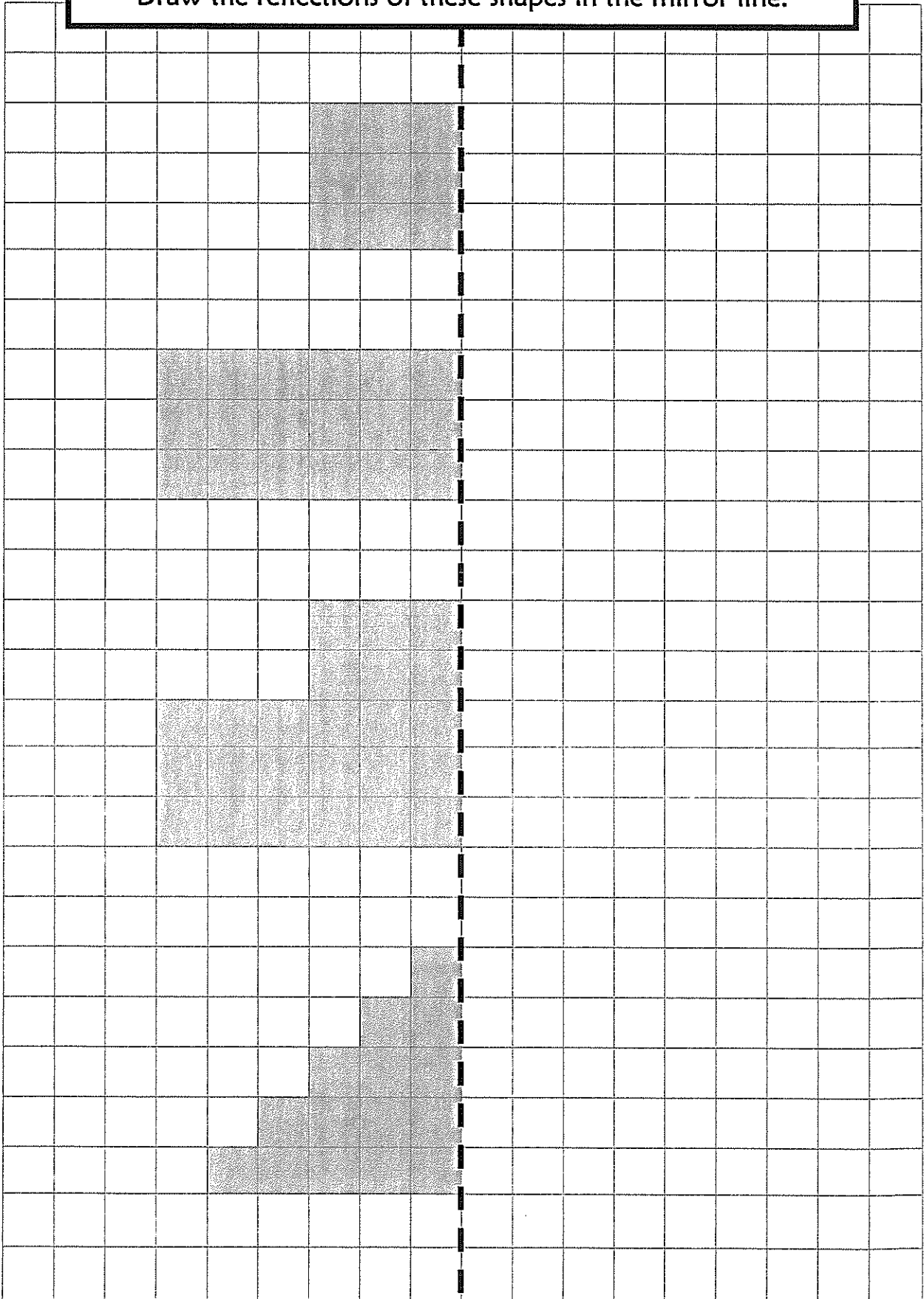
- ① 10th October
- ② 8th June
- ③ 28th November
- ④ 26th March?

JANUARY 2015						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

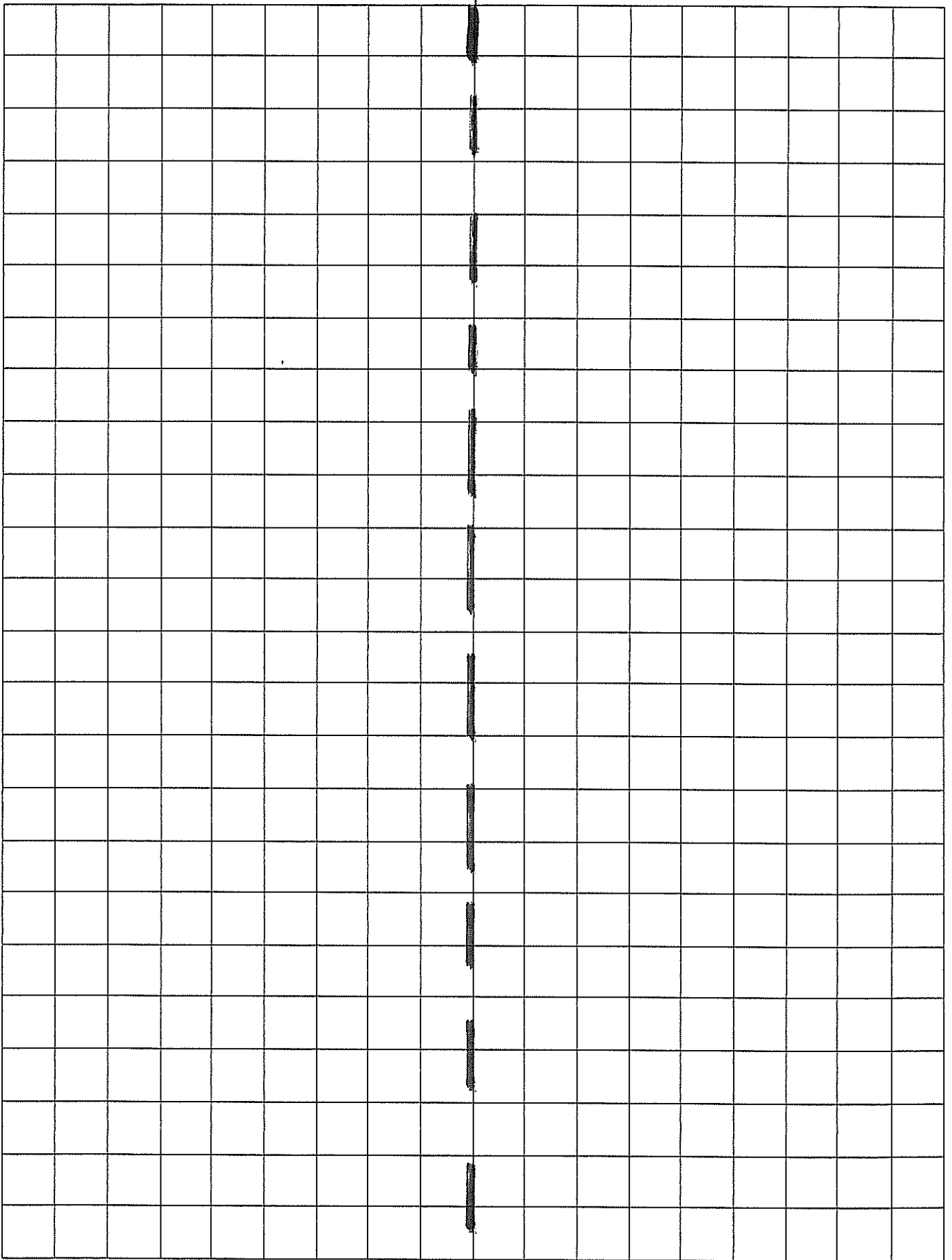
- On which day will these Saint's Days fall?
- ⑤ St. Stephen's Day
December 26th 2014
 - ⑥ St. David's Day
March 1st 2015
 - ⑦ St. Andrew's Day
November 30th 2014
 - ⑧ How many complete weeks and days left over are there in a non-leap year?
- On what day will fall:
- ⑨ January 1st 2014
 - ⑩ January 1st 2016?

Reflection

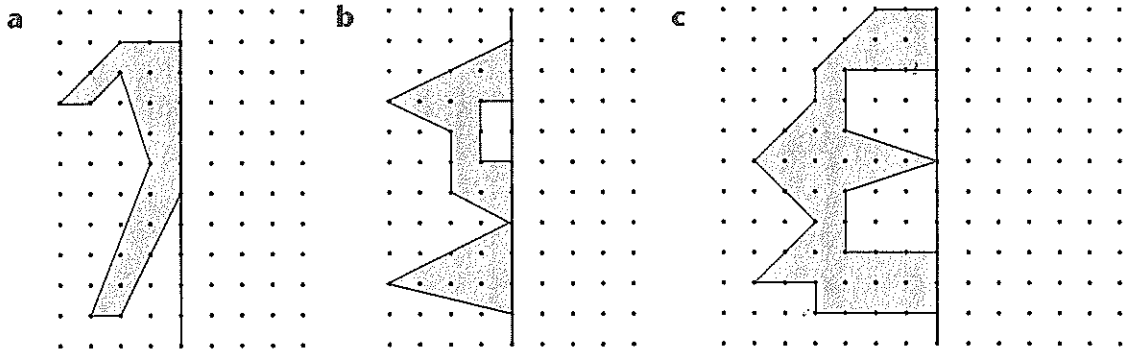
Draw the reflections of these shapes in the mirror line.



Create your own reflection.



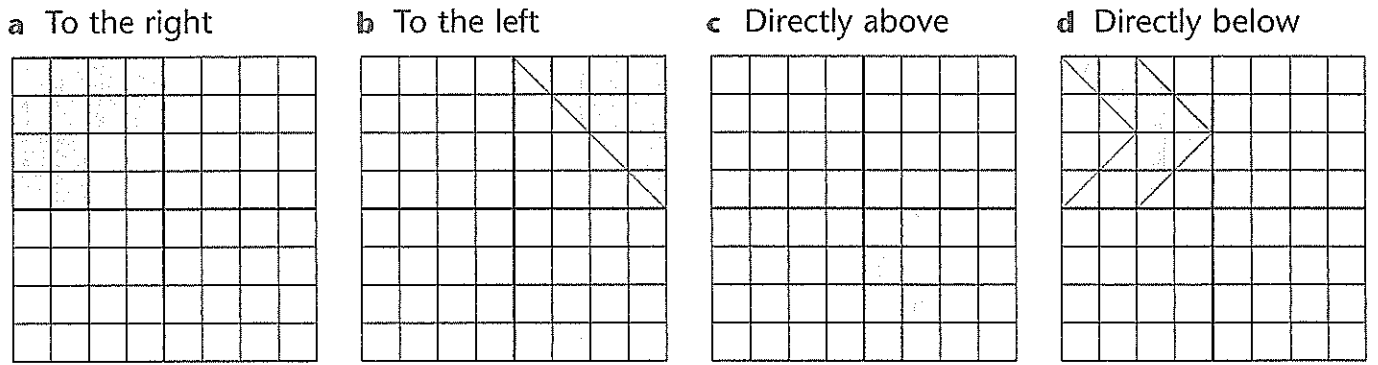
9 Reflect each shape.



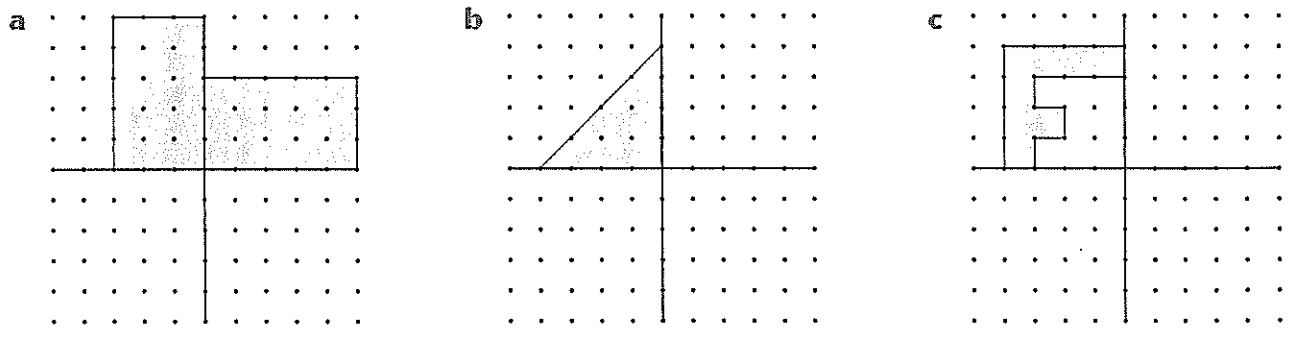
Translate = slide
Rotate = turn
Reflect = flip



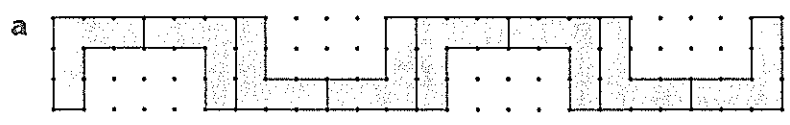
10 Translate each shape as directed.

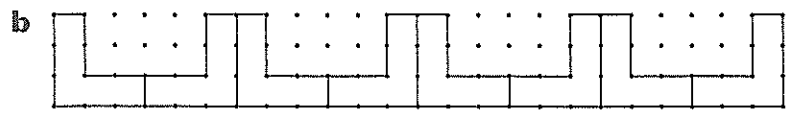


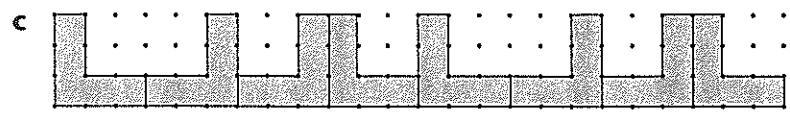
11 Rotate each shape clockwise around 360°. The first one has been started for you.



12 Below each set of shapes record the type of movement at each stage.



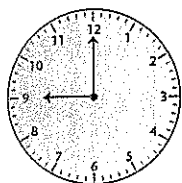




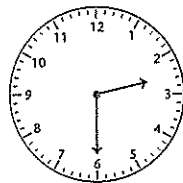
am is an abbreviation for *ante meridiem* which means "before midday".
pm is an abbreviation for *post meridiem* which means "after midday".

11 Write a digital label for each clock using "am and pm" notation.

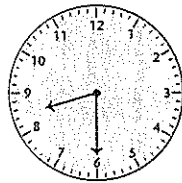
a morning



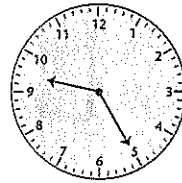
b afternoon



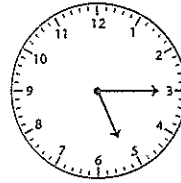
c morning



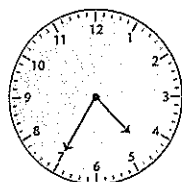
d morning



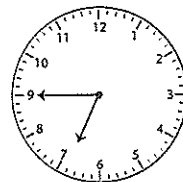
e afternoon



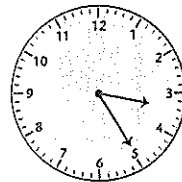
f afternoon



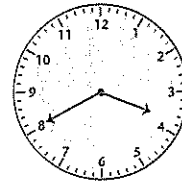
g evening



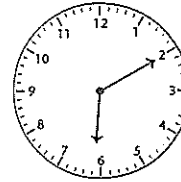
h morning



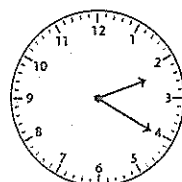
i afternoon



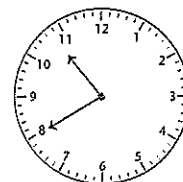
j evening



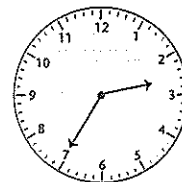
k afternoon



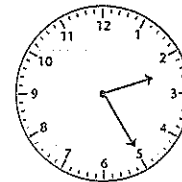
l evening



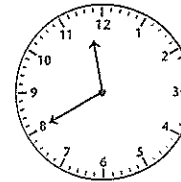
m morning



n afternoon



o evening



12 Calculate the elapsed hours between:

a 3 pm and 7 pm _____

g 10 am and 2 pm _____

b 4 pm and 10 pm _____

h 11 am and 5 pm _____

c 2 am and 7 am _____

i 10 am and 9 pm _____

d 2:30 am and 7 am _____

j 5 am and 4 pm _____

e 5:30 pm and 10 pm _____

k 10:30 am and 2:30 pm _____

f 6:45 pm and 7:15 pm _____

l 9:45 am and 3:45 pm _____

13 Solve these problems.

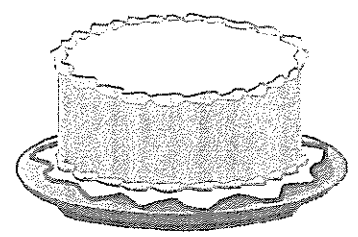
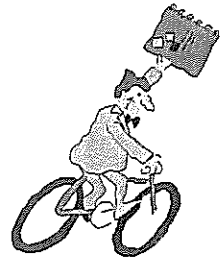
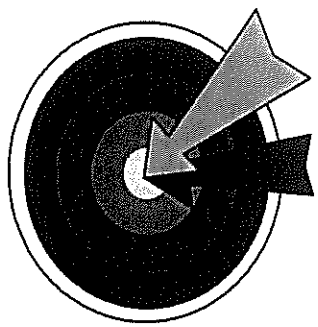
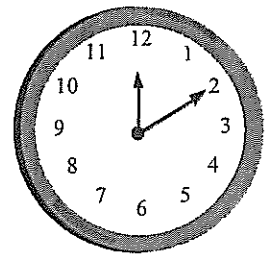
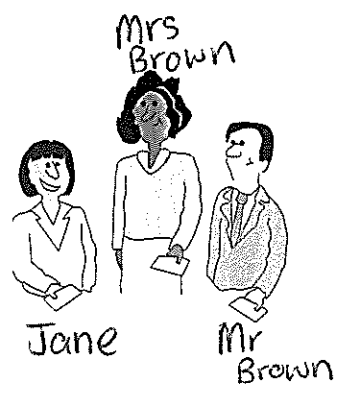
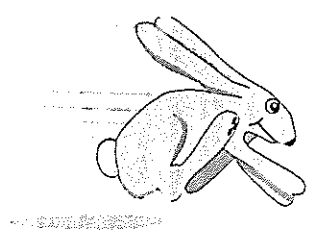
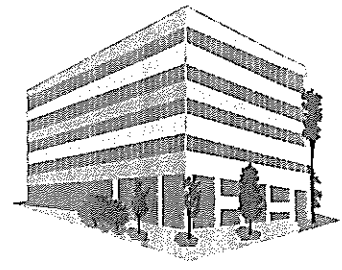
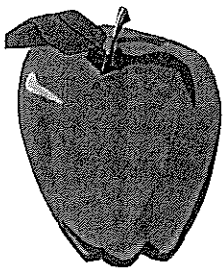
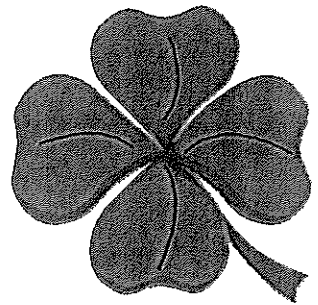
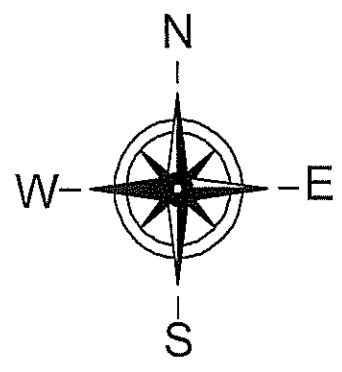
a	A soldier commenced duty at 1:30 pm. He finished 8 hours later. When did he finish work?	
b	Jim started work at 6:30 am and finished at 4:30 pm. How long did he work if he had an hour off for lunch?	
c	The lamb started cooking at 3 pm. We ate it 2 hours 15 minutes later. When did we have dinner?	



If I go to bed at 9 pm and wake up 12 hours later, it will be 9 am.

Directions

The three people in the center of the picture each have a different problem. Can you tell them which direction they need to go in order to solve their problems?



Directions

Task 1.

Can you help the Brown family solve their problems?

1. Mr Brown needs to know the time. Which direction must he face to see the clock?
2. Which way does Mrs Brown go to buy a cake for Jane's birthday?
3. Jane has to feed her rabbit before school. Which way must she walk?
4. On Saturday, the family are going to do some gardening. Which direction is the garden? [They have a lot of clover weeds.]
5. Mr Brown rides his bike to work. He stores it in his garage. Which way does he go to get his bike?

Challenge. - Task 2

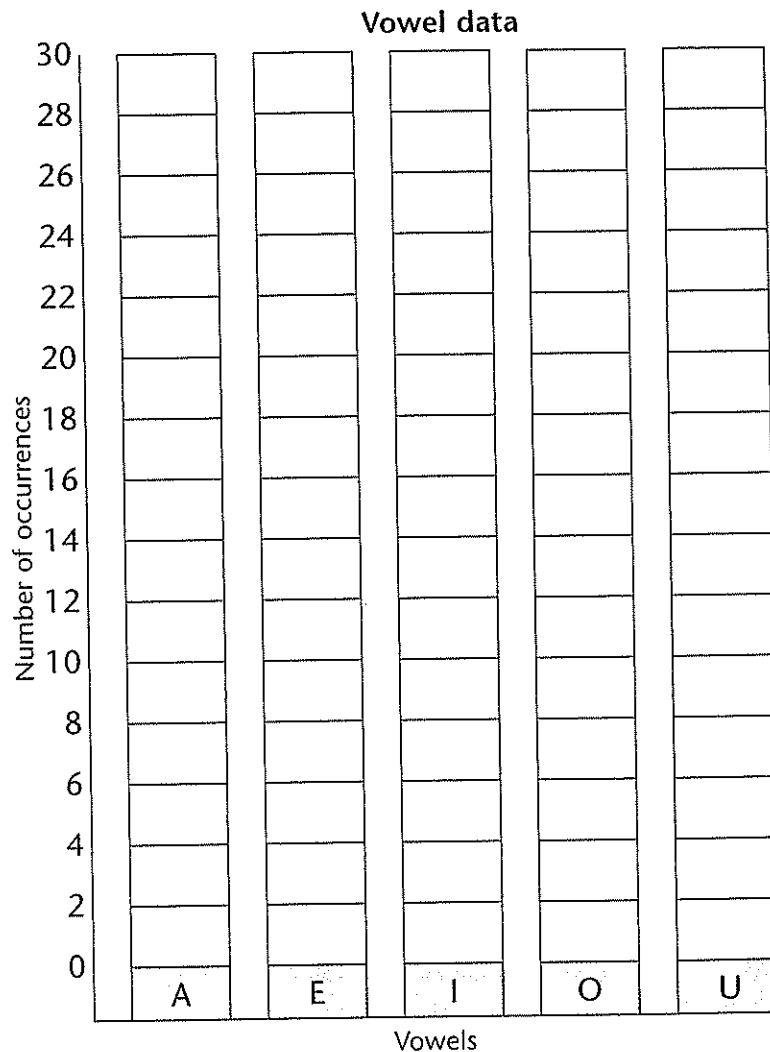
1. Mr Brown is facing the target. How much must he turn to face the building where he works?
2. Mrs Brown goes to the cake shop first. Then she decides to buy some apples. Which way does she go?
3. Jane watches her dad go off to work on his bike. Then she checks the time on the clock. How far has she turned? Should she turn clockwise or anticlockwise?
4. Which way is the rabbit running? Give him directions to the garden.
5. Mr Brown rides a circular route to work. Should he go clockwise or anticlockwise. Give reasons for your choice.

11 What is the most common vowel?

- a Choose any paragraph from something you can read and make a tally of the number of times each vowel appears in that paragraph. Stop when one vowel reaches 30.

Vowel	Tally	Frequency
A		
E		
I		
O		
U		

- b Which vowel occurred the least? _____
- c Which vowel occurred the most? _____
- d How many words did not contain a vowel? _____
- e Construct a column graph of the data you have collected.



12 Making a column graph.

- a Construct a column graph on the graph paper to record the number of people attending Dr Know's surgery for sports injuries. The number of patients is recorded in the table below.

You will need to work out a scale for the vertical axis of the graph, before you can start.

Month	Dec	Jan	Feb	Mar	Apr
Patients	14	16	24	28	30

- b Which month was the worst for sports injuries? _____
- c Which month had the least number of sports injuries recorded? _____

