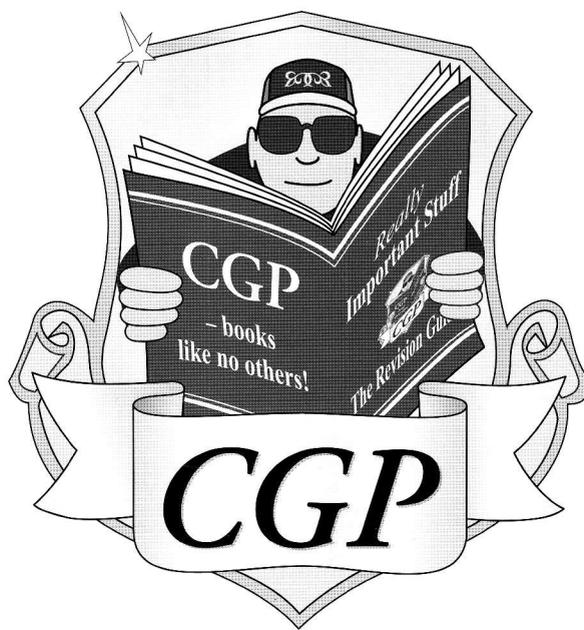


Name: **OLLIE HOARE**.....

Class:

Key Stage Two Maths



Workout Year 4

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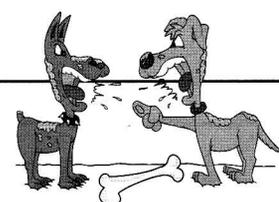
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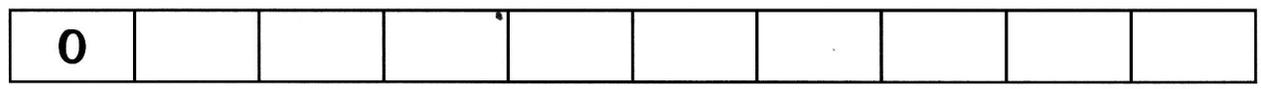
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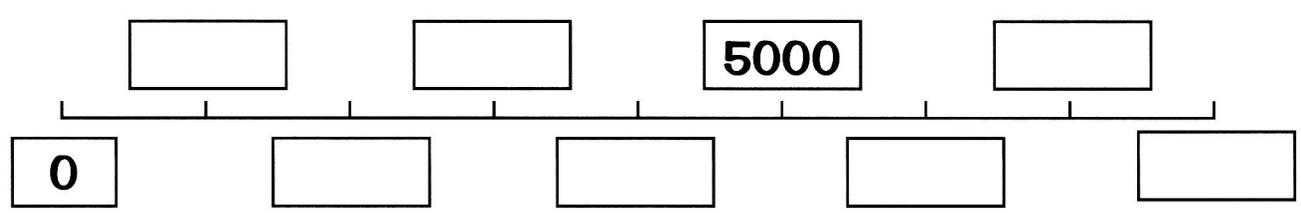
Counting and Numbers



1. Count on in 25s from the number in the first box.



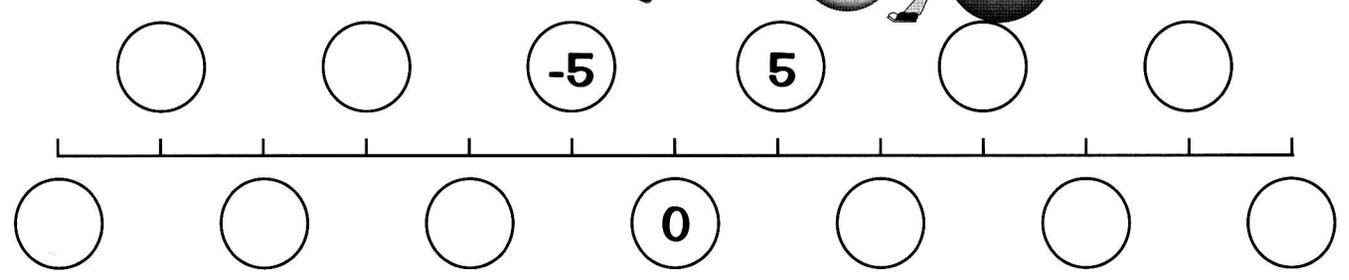
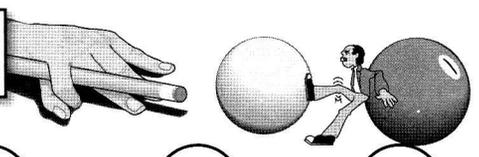
2. Fill in the missing numbers on this number line.



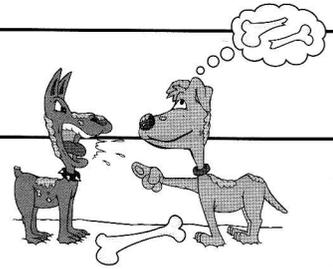
3. Write the numbers these Roman numerals stand for.

- a III
- b VII
- c L
- d XLIII
- e XC
- f XXXIII
- g XIX
- h XXIV

4. Complete this number line.



Counting and Numbers



1. Count up from zero in...

a ...6s

0

--	--	--	--	--	--	--	--	--	--	--

b ...9s

0

--	--	--	--	--	--	--	--	--	--	--

c ...7s

0

--	--	--	--	--	--	--	--	--	--	--

2. Work out:

a $6 - 8$

.....

d $1 - 8$

.....

b $2 - 9$

.....

e $16 - 19$

.....

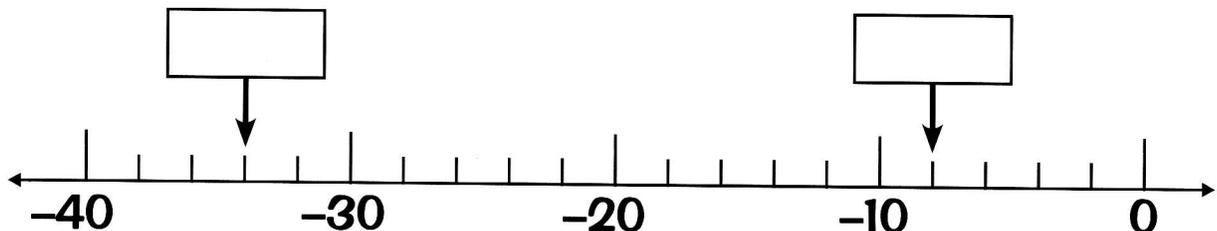
c $11 - 15$

.....

f $3 - 12$

.....

3. Write the correct number in each box.



4. The temperature in Fishtown is 13°C .
What is the new temperature if it falls by:

a 15°C ?

.....

b 17°C ?

.....

c 20°C ?

.....



Place Value and Ordering



1. Which of these numbers is the biggest? Circle the correct answer.

1764

7164

1764

4671

716

6174

2. Give the value of the underlined digit in each of these numbers.

a 1274d 4859g 3941b 6782e 2033h 5160c 7146f 8258i 9037

3. Use partitioning to complete these sums.

a $5693 = \square + 600 + 90 + \square$

b $2137 = 2000 + \square + \square + 7$

c $7899 = \square + \square + 90 + \square$

d $1982 = \square + \square + \square + 2$



4. Which of these numbers is the smallest? Circle the correct answer.

9876

987

9981

879

9281

993

Place Value and Ordering



1. Shade in the box showing the smaller amount.

- | | | | | | |
|---|------------|------------|---|-------------|---------|
| a | 3 hundreds | 31 tens | d | 6 thousands | 65 tens |
| b | 9 tens | 89 ones | e | 8 hundreds | 88 tens |
| c | 74 tens | 7 hundreds | f | 5 tens | 55 ones |

2. Arrange these numbers in order in the boxes.

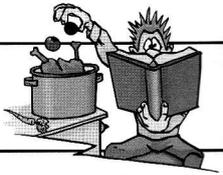


- | | | | | | | | |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| a | 1532 | 1324 | 1534 | 1235 | 1234 | 1543 | 1325 |
| | <input type="text"/> |
| | lowest | | | highest | | | |
| b | 5445 | 5554 | 5544 | 5455 | 5545 | 5444 | 5454 |
| | <input type="text"/> |
| | greatest | | | smallest | | | |

3. Write down the largest and the smallest number you can make using the digits from the number given.

- | | largest | smallest | | largest | smallest |
|---|---------|----------------------|---|---------|----------------------|
| a | 6154 | <input type="text"/> | d | 8283 | <input type="text"/> |
| b | 1728 | <input type="text"/> | e | 9341 | <input type="text"/> |
| c | 2967 | <input type="text"/> | f | 3675 | <input type="text"/> |

Adding



1. Write the correct number in each box.

- 1000 more is
- a 3614 \longrightarrow
- b 1893 \longrightarrow
- c 4525 \longrightarrow
- 1000 more is
- d \longrightarrow 1827
- e \longrightarrow 9899
- f \longrightarrow 8657

2. Work out the answers to these column additions.

a
$$\begin{array}{r} 687 \\ + 129 \\ \hline \end{array}$$

b
$$\begin{array}{r} 435 \\ + 696 \\ \hline \end{array}$$

c
$$\begin{array}{r} 3018 \\ + 3452 \\ \hline \end{array}$$

d
$$\begin{array}{r} 5428 \\ + 4285 \\ \hline \end{array}$$

3. Write in the missing numbers.

- a 1000 cm more than 6342 cm
 b 1000 ml more than 8925 ml
 c 1000 g more than 9146 g



4. Look at these addition squares then fill them in.
The first one has been done for you.

a

420	490	910
370	240	610
790	730	1520

b

	365	650
535		1010
	840	

c

372	186	
	404	699
667		

Adding



1. Work out the answers to these sums.

$$\begin{array}{r} \text{a} \quad 7486 \\ + 1659 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b} \quad 4692 \\ + 2033 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \quad 3359 \\ + 3472 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d} \quad 5978 \\ + 2454 \\ \hline \end{array}$$

2. Fill in the missing numbers in these charts.

a	+	740	860	590
	1470	2210		
	3690		4550	
	2580			3170

b	+	443	665	809
	512			1321
	754		1419	
	968	1411		

3. Write the correct number in each box.

1000 more is

$$\text{a} \quad 10492 \longrightarrow \boxed{}$$

1000 more is

$$\text{d} \quad 98911 \longrightarrow \boxed{}$$

$$\text{b} \quad 15958 \longrightarrow \boxed{}$$

$$\text{e} \quad 39167 \longrightarrow \boxed{}$$

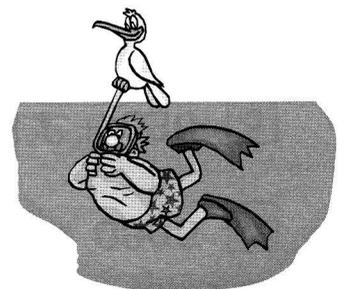
$$\text{c} \quad 82571 \longrightarrow \boxed{}$$

$$\text{f} \quad 9349 \longrightarrow \boxed{}$$

4. Fill in the missing numbers.

$$\begin{array}{r} \text{a} \quad 3 \quad 2 \quad \square \quad 2 \\ + 1 \quad \square \quad 8 \quad 7 \\ \hline \square \quad 6 \quad 9 \quad \square \end{array}$$

$$\begin{array}{r} \text{b} \quad \square \quad 6 \quad 2 \quad \square \\ + 1 \quad 3 \quad \square \quad 2 \\ \hline 6 \quad \square \quad 1 \quad 3 \end{array}$$



Adding



1. Work out the answers to these column additions.

$$\begin{array}{r} \text{a} \quad 4604 \\ + 3336 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{b} \quad 4578 \\ + 5368 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \quad 2454 \\ + 5978 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{d} \quad 4465 \\ + 4965 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{e} \quad 9763 \\ + 5687 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{f} \quad 8924 \\ + 1423 \\ \hline \\ \hline \end{array}$$



2. Solve each problem and write your answers in words.

a Make 1165 greater by 1766.

.....

b Find the total of 2378, 2156 and 2439.

.....

c Add 1724 to 2347. Then increase your answer by 1000.

.....

3. Here's a challenge to your addition skills.

$$\text{a} \quad 112 + 81 + 91 + 3 + 11 =$$

.....

$$\text{b} \quad 8795 + 48 + 233 + 6 =$$

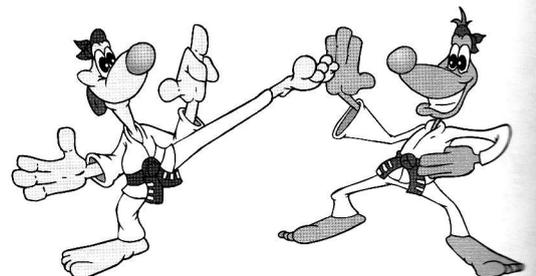
.....

$$\text{c} \quad 950 + 7 + 4289 + 63 =$$

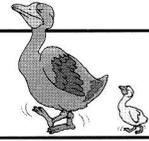
.....

$$\text{d} \quad 9060 + 86 + 786 + 4 =$$

.....



Subtracting



1. Write the correct number in each box.

a 1486 \longrightarrow 1000 less is

b 3683 \longrightarrow

c 10891 \longrightarrow

d \longrightarrow 1000 less is 972

e \longrightarrow 6934

f \longrightarrow 5701

2. Work out the answers to these column subtractions.

a
$$\begin{array}{r} 785 \\ - 490 \\ \hline \end{array}$$

b
$$\begin{array}{r} 600 \\ - 526 \\ \hline \end{array}$$

c
$$\begin{array}{r} 8506 \\ - 5196 \\ \hline \end{array}$$

d
$$\begin{array}{r} 9641 \\ - 5139 \\ \hline \end{array}$$

3. Fill in the missing numbers in these charts.

a

-	583	741	926
65	518		
85		656	
75			851

b

-	2100	3010	4001
1638			2363
1250		1760	
1794	306		

4. Work out the difference between the numbers in each pair.

a 1078 and 651

d 7642 and 3248

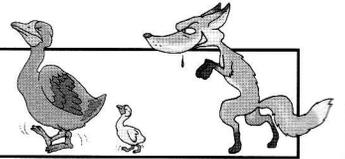
b 4444 and 1234

e 2988 and 755

c 9762 and 1936

f 1816 and 1136

Subtracting



1. Fill in the missing numbers in these charts.

a	-	4034	7658	9782
	2856	1178		
	3645		4013	
	4021			5761

b	-	8942	7653	9990
	5888			4102
	6319		1334	
	1199	7743		

2. Work out the answers to these column subtractions.

a
$$\begin{array}{r} 5007 \\ - 4711 \\ \hline \end{array}$$

b
$$\begin{array}{r} 8734 \\ - 3170 \\ \hline \end{array}$$

c
$$\begin{array}{r} 7000 \\ - 4728 \\ \hline \end{array}$$

d
$$\begin{array}{r} 5070 \\ - 4801 \\ \hline \end{array}$$

e
$$\begin{array}{r} 2894 \\ - 1795 \\ \hline \end{array}$$

f
$$\begin{array}{r} 9491 \\ - 7273 \\ \hline \end{array}$$

g
$$\begin{array}{r} 6119 \\ - 5137 \\ \hline \end{array}$$

h
$$\begin{array}{r} 8000 \\ - 3102 \\ \hline \end{array}$$



3. Write the correct number in each box.

a $\boxed{} \xrightarrow{1000 \text{ less is}} 8728$

e $\boxed{} \xrightarrow{1000 \text{ less is}} 2508$

b $\boxed{} \xrightarrow{1000 \text{ less is}} 1304$

f $\boxed{} \xrightarrow{1000 \text{ less is}} 1702$

c $\boxed{} \xrightarrow{1000 \text{ less is}} 7452$

g $\boxed{} \xrightarrow{1000 \text{ less is}} 74522$

d $\boxed{} \xrightarrow{1000 \text{ less is}} 5962$

h $\boxed{} \xrightarrow{1000 \text{ less is}} 59621$

Subtracting



1. Fill in the missing numbers.

$$\begin{array}{r}
 \boxed{a} \quad 8 \quad 9 \quad \boxed{} \quad 4 \\
 - \quad 3 \quad \boxed{} \quad 5 \quad \boxed{} \\
 \hline
 \boxed{} \quad 6 \quad 1 \quad 2
 \end{array}$$

$$\begin{array}{r}
 \boxed{b} \quad 4 \quad \boxed{} \quad 7 \quad 2 \\
 - \quad \boxed{} \quad 9 \quad \boxed{} \quad 1 \\
 \hline
 0 \quad 1 \quad 2 \quad \boxed{}
 \end{array}$$



2. Work out the answers to these column subtractions.

$$\boxed{a} \quad \begin{array}{r} 8259 \\ - 5780 \\ \hline \end{array}$$

$$\boxed{b} \quad \begin{array}{r} 9353 \\ - 4388 \\ \hline \end{array}$$

$$\boxed{c} \quad \begin{array}{r} 5329 \\ - 5278 \\ \hline \end{array}$$

$$\boxed{d} \quad \begin{array}{r} 2883 \\ - 1195 \\ \hline \end{array}$$

3. Solve these problems.

- a** Troy has a jug that holds 2500 ml. He puts 1012 ml of water in it. He adds 150 ml of juice. How much more liquid can he put in?

- b** A recipe uses 2700 g of flour. Chad has 512 g of flour in one bag and 1224 g in another bag. How much more flour does he need?

- c** Andy ran 1250 m on Monday and 5725 m on Wednesday. He wants to run 9000 m this week. How much further does he need to run?

Multiplying



1. Work out the missing numbers in these multiplication facts.

a $7 \times 6 = \square$

d $9 \times 6 = \square$

g $8 \times 6 = \square$

b $\square \times 9 = 63$

e $\square \times 9 = 90$

h $\square \times 5 = 45$

c $8 \times \square = 64$

f $7 \times \square = 35$

i $10 \times \square = 80$

2. Complete this multiplication chart.

×	2	6	9	1	4	0	7	3	8	5	10
3			27						24		
5					20		35				
7	14										70

3. Fill in the boxes with '0' or '1'.

a $81 \times \square = 81$

b $11 \times \square = 11$

c $72 \times \square = 0$

4. Fill in the missing numbers in these charts.

a

×	50	70	90
3	150		
6		420	
9			810

b

×	80	40	60
8			480
4		160	
12	960		





Multiplying

1. Work out the answers to these multiplication calculations.

$$\begin{array}{r} \boxed{a} \quad 36 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{b} \quad 88 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{c} \quad 73 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{d} \quad 61 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{e} \quad 925 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{f} \quad 657 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{g} \quad 243 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{h} \quad 667 \\ \times \quad 5 \\ \hline \end{array}$$

2. Write the number in each box that is 5 times larger than the number in the box above it.

\boxed{a}	300

\boxed{b}	500

\boxed{c}	400

\boxed{d}	700

3. Work out:

$$\boxed{a} \quad 3 \times 4 \times 8$$

.....

$$\boxed{d} \quad 2 \times 6 \times 8$$

.....

$$\boxed{b} \quad 9 \times 1 \times 6$$

.....

$$\boxed{e} \quad 5 \times 12 \times 2$$

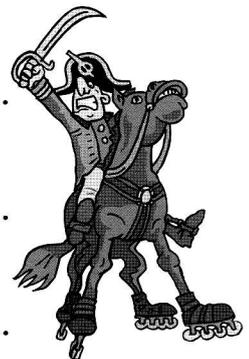
.....

$$\boxed{c} \quad 2 \times 11 \times 5$$

.....

$$\boxed{f} \quad 11 \times 4 \times 3$$

.....



4. Circle all the factors of 18 in this list.

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



Multiplying

1. Work out the answers to these multiplication calculations.

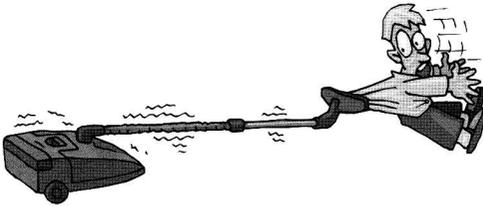
a
$$\begin{array}{r} 175 \\ \times 7 \\ \hline \end{array}$$

b
$$\begin{array}{r} 495 \\ \times 7 \\ \hline \end{array}$$

c
$$\begin{array}{r} 265 \\ \times 7 \\ \hline \end{array}$$

d
$$\begin{array}{r} 385 \\ \times 7 \\ \hline \end{array}$$

2. Draw lines to join these factors of 36 to make factor pairs.



1	2	6	12	9
4	36	3	18	6

3. Solve these problems.

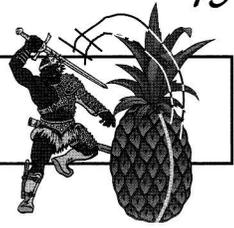
- a** Large boxes of eggs hold 18 eggs. Small boxes hold 6 eggs. Dean buys 3 large boxes and 2 small boxes of eggs. How many eggs does he have in total?
.....

- b** Cedric swam 125 lengths on Saturday and 115 lengths on Sunday. Cho swam four times as far as Cedric. How many lengths did Cho swim in total?
.....

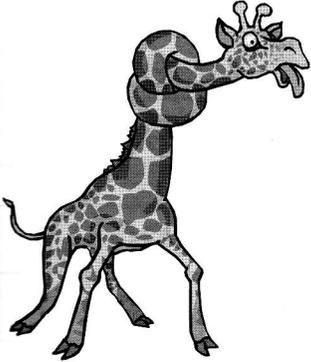
- c** Pencils cost 67p and pens cost 89p. Ron bought 4 pencils and 8 pens. How much did Ron spend?
.....



Dividing



1. Work out:



a $88 \div 1$

d $64 \div 8$

b $16 \div 4$

e $54 \div 9$

c $30 \div 6$

f $48 \div 6$

2. Write the correct number in each box.

a $60 \xrightarrow{\div 10}$

d $47 \xrightarrow{\div 100}$

b $5 \xrightarrow{\quad}$

e $96 \xrightarrow{\quad}$

c $85 \xrightarrow{\quad}$

f $2 \xrightarrow{\quad}$

3. Work out the missing numbers in these division facts.

a $81 \div 9 =$

d $144 \div 12 =$

g $56 \div 8 =$

b $\div 11 = 11$

e $\div 6 = 4$

h $\div 10 = 10$

c $63 \div$ $= 7$

f $12 \div$ $= 12$

i $45 \div$ $= 5$

4. Circle the number that is 100 times smaller than 91.

0.91

910

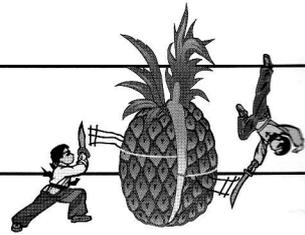
9.1

91.0

0.091

0.901

Dividing



1. Circle the calculation that gives the answer shown.

a

5	$45 \div 9$
	$40 \div 9$

b

3	$60 \div 12$
	$36 \div 12$

c

9	$99 \div 11$
	$99 \div 9$

d

9	$54 \div 6$
	$56 \div 8$

e

11	$120 \div 12$
	$132 \div 12$

f

10	$80 \div 7$
	$70 \div 7$

2. Complete these division charts.

÷	21	35	7	49	70	84	56	28	77	14	42
7	3								11		

÷	63	81	108	27	9	36	99	18	54	45	72
9		9		3							

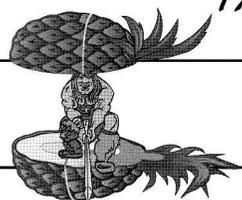
3. Solve these problems.

a Julia has 72 stamps. She puts 9 on each page of her stamp album.
How many pages will she fill?
.....

b Kat has a bag of 50 sweets.
She shares all of the sweets between 5 of her friends.
How many sweets does each friend get?
.....

c Cristiano has 108 trophies.
He puts 9 trophies on each shelf of his trophy cabinet.
How many shelves does his cabinet have?
.....

Dividing



1. Fill in the missing numbers to make these calculations correct.

a $\div 10 = 5.3$

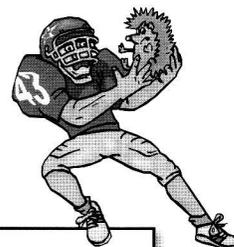
d $18 \div$ $= 1.8$

b $28 \div$ $= 0.28$

e $\div 10 = 190$

c $\div 100 = 0.08$

f $77 \div$ $= 0.77$



2. Work out these divisions.

Say how many ones, tenths and hundredths each answer has.

a $36 \div 10 =$ $=$ ones tenths hundredths

b $8 \div 100 =$ $=$ ones tenths hundredths

c $7 \div 10 =$ $=$ ones tenths hundredths

3. Solve these problems.

a How many groups of six can be made from fifty four?

b Make four hundred and twenty 10 times smaller.

4. Work out:

a $360 \div 60$

d $960 \div 80$

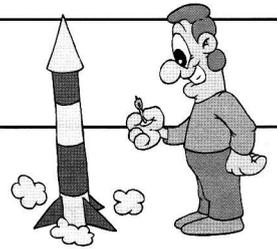
b $3500 \div 500$

e $2200 \div 200$

c $210 \div 30$

f $11000 \div 1000$

Estimating



1. Round these numbers to the nearest 10.

- a 58 b 63 c 72 d 45

2. Write your answer to each problem in the first box.
In the second box write the answer to the nearest 100.

- a $200 - 70 =$ c $3 \times 60 =$
- b $330 \div 3 =$ d $300 + 290 =$

3. Write a number that is roughly one quarter of the number shown.

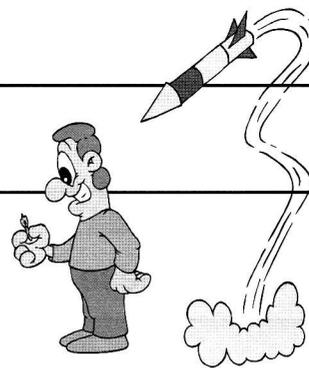
- a 401 d 242 g 277
- b 119 e 219 h 321
- c 163 f 358

4. Round each of these numbers to the nearest 10, 100 and 1000.

		nearest 10	nearest 100	nearest 1000
a	3681			
b	7327			
c	5495			
d	9713			



Estimating



1. Circle the best estimate for each of the measurements below.

- a The length of a pencil 2 mm 20 m 20 cm
- b The weight of a dog 30 g 30 kg 3 g

2. Round these numbers to the nearest 1000.

- a 7250
- b 6100
- c 4500
- d 9499

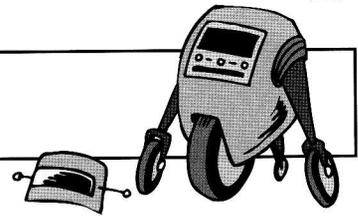
3. Estimate...

- a $128 + 152 =$
- b $25 \div 6 =$
- c $122 - 68 =$
- d $217 - 49 =$

4. For each of the questions below, write a new calculation that uses the same numbers.

- a $76 \times 12 = 912$ \div =
- b $106 + 987 = 1093$ $-$ =
- c $2497 - 258 = 2239$ $+$ =
- d $7697 \div 179 = 43$ \times =

Fractions and Decimals



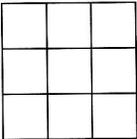
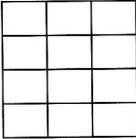
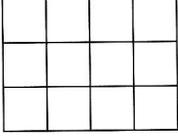
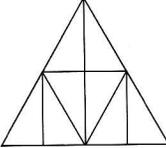
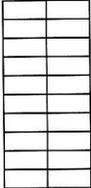
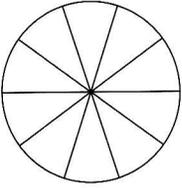
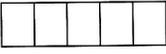
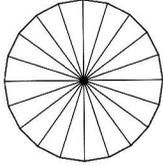
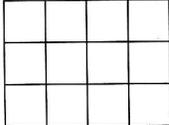
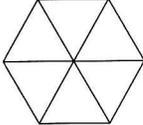
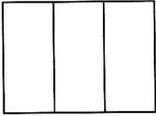
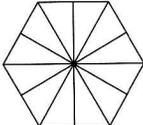
1. Write the decimal amount that is the same as...

- | | | | | | | | | |
|---|------------------|-------|---|-----------------|-------|---|------------------|-------|
| a | $\frac{1}{4}$ | ..... | e | $2\frac{1}{2}$ | ..... | i | $7\frac{1}{10}$ | ..... |
| b | $5\frac{3}{10}$ | ..... | f | $6\frac{7}{10}$ | ..... | j | $8\frac{4}{100}$ | ..... |
| c | $\frac{1}{100}$ | ..... | g | $3\frac{5}{10}$ | ..... | k | $4\frac{3}{4}$ | ..... |
| d | $11\frac{4}{10}$ | ..... | h | $\frac{2}{10}$ | ..... | l | $12\frac{9}{10}$ | ..... |

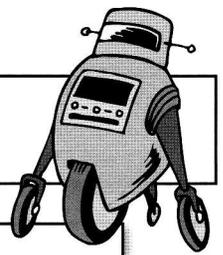
2. Use $<$ or $>$ to show which of each pair is larger.

- | | | | | | | | |
|---|------|-------|------|---|---------------|-------|---------------|
| a | 0.76 | ..... | 0.74 | d | $\frac{1}{4}$ | ..... | 0.23 |
| b | 0.09 | ..... | 0.11 | e | 0.12 | ..... | 0.09 |
| c | 0.82 | ..... | 0.91 | f | 0.77 | ..... | $\frac{3}{4}$ |

3. Shade the fraction shown of each shape.

- | | | | | | | | |
|---|---------------|---|---|---|----------------|---|---|
| a | $\frac{1}{3}$ |  |  | d | $\frac{3}{4}$ |  |  |
| b | $\frac{1}{5}$ |  |  | e | $\frac{4}{10}$ |  |  |
| c | $\frac{1}{2}$ |  |  | f | $\frac{6}{9}$ |  |  |

Fractions and Decimals



1. These number lines count up in $\frac{1}{100}$ s. Fill in the missing numbers.

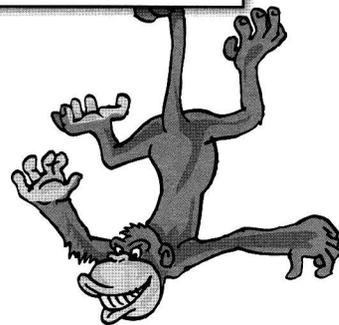
a	$7\frac{46}{100}$					$7\frac{52}{100}$		
b				$\frac{4}{100}$			$\frac{7}{100}$	
c		$3\frac{17}{100}$		$3\frac{19}{100}$				
d				2.97				
e				$6\frac{31}{100}$				
f				1.01				

2. Circle the fractions in each question that are equivalent.

a $\frac{2}{8}$ $\frac{3}{7}$ $\frac{1}{4}$ $\frac{3}{6}$	d $\frac{9}{10}$ $\frac{2}{7}$ $\frac{1}{4}$ $\frac{3}{12}$
b $\frac{6}{10}$ $\frac{2}{3}$ $\frac{7}{9}$ $\frac{3}{5}$	e $\frac{8}{10}$ $\frac{1}{8}$ $\frac{4}{5}$ $\frac{3}{4}$
c $\frac{1}{4}$ $\frac{1}{3}$ $\frac{2}{6}$ $\frac{3}{9}$	f $\frac{4}{24}$ $\frac{2}{12}$ $\frac{1}{6}$ $\frac{1}{4}$

3. Circle the number that is $\frac{1}{100}$ of the number on the left.

a 100	0.1	1	$\frac{1}{10}$
b 10	0.01	1	$\frac{1}{10}$
c 1	0.1	$\frac{1}{100}$	$\frac{1}{10}$



Fraction Calculations



1. Work out the answers to these fraction calculations.

a $\frac{5}{8} - \frac{4}{8}$

d $\frac{9}{12} - \frac{2}{12}$

b $\frac{11}{42} + \frac{16}{42}$

e $\frac{12}{17} + \frac{1}{17}$

c $\frac{2}{6} + \frac{3}{6}$

f $\frac{19}{23} - \frac{16}{23}$

2. Complete these fraction calculations.

a $\frac{5}{8}$ of 48

e $\frac{5}{7}$ of 49

b $\frac{1}{2}$ of 100

f $\frac{2}{3}$ of 33

c $\frac{2}{6}$ of 54

g $\frac{3}{4}$ of 400

d $\frac{3}{5}$ of 60

h $\frac{3}{8}$ of 88

3. Work out the answers to these word problems.

a Claire has 48 pairs of shoes. $\frac{3}{4}$ of them are red. How many red pairs of shoes does Claire have?

b Lisa has 120 sweets. She gives $\frac{5}{12}$ of them to her brother. How many sweets does Lisa have left?

c Cookies come in packets of 12. Chris eats $4\frac{2}{3}$ packets of cookies in one day. How many cookies does he eat?



Fraction Calculations



1. Work out the answers to these fraction calculations.

a $\frac{3}{4}$ of 80 + $\frac{1}{2}$ of 8 = c $\frac{3}{8}$ of 16 + $\frac{2}{3}$ of 12 =

b $\frac{2}{5}$ of 15 + $\frac{1}{12}$ of 144 = d $\frac{1}{3}$ of 33 + $\frac{5}{9}$ of 27 =

2. Fill in the missing fractions in the calculations below.

a + $\frac{4}{10}$ = $\frac{9}{10}$

c - $\frac{8}{12}$ = $\frac{9}{12}$

b $\frac{4}{17}$ + = $\frac{15}{17}$

d $\frac{7}{18}$ + = $\frac{15}{18}$

3. Fill in these tables.

a

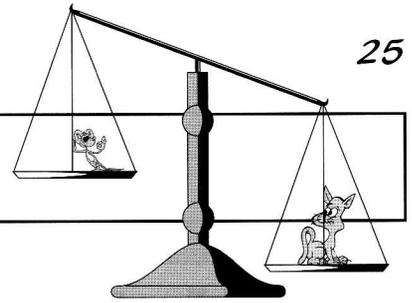
	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{3}{8}$
of 16				
of 48				
of 8				
of 320				



b

	$\frac{1}{6}$	$\frac{1}{3}$	$\frac{2}{3}$	$\frac{5}{12}$
of 24				
of 36				
of 12				
of 60				

Measuring Problems



1. How many grams are in these masses?

a 1 kg

e 2.7 kg

b 5.5 kg

f 8.3 kg

c 6.75 kg

g 3.25 kg

d 7.25 kg

h 9.04 kg

2. Solve these problems.



a How many millimetres in 2.4 metres?

b Donald's pace measures 70 cm.
How many of his paces measure 7 m?

c Seven pieces of string each measure 9 cm.
Find their total length in millimetres.

d How much greater is the distance round a rectangle measuring 8 cm by 36 cm than the distance round a rectangle measuring 29 cm by 5 cm?

3. How many metres are in these distances?

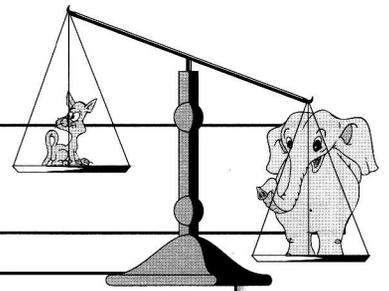
a 7 km

c 4.75 km

b 2.5 km

d 2.29 km

Measuring Problems



1. Add these centimetre amounts and write your answer in metres.

a 67, 45, 88

e 61, 38, 26

b 38, 53, 59

f 32, 95, 98

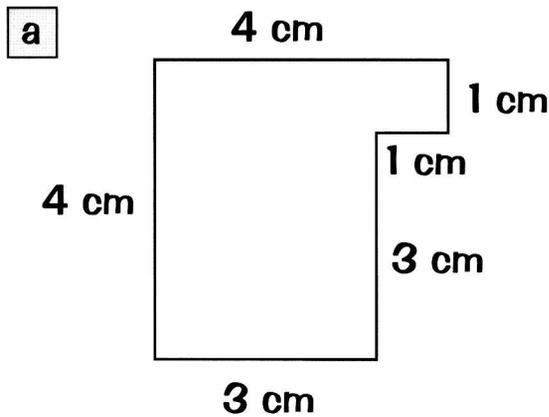
c 19, 33, 48

g 47, 65, 48

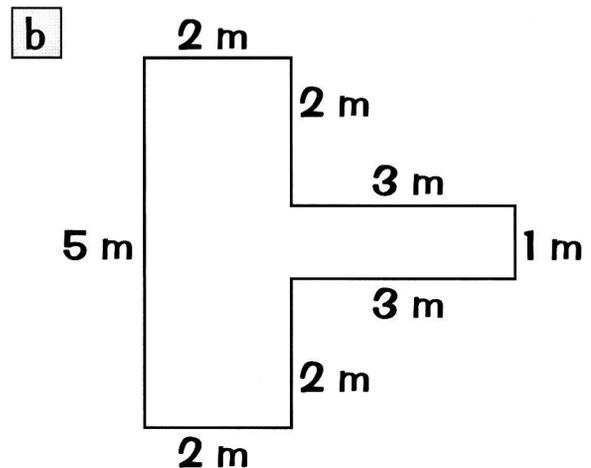
d 12, 74, 89

h 31, 99, 40

2. Calculate the perimeters of these shapes.



.....



.....

3. How many minutes are in these times?

a 1 hour 58 minutes

d 4 hours 47 minutes

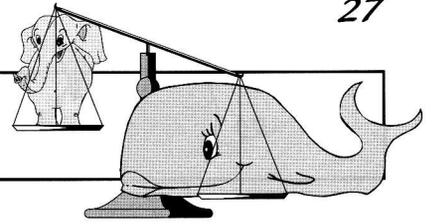
b 2 hours 46 minutes

e 5 hours 12 minutes

c 3 hours 45 minutes

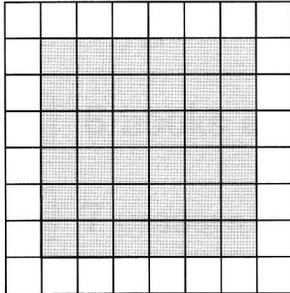
f 6 hours 9 minutes

Measuring Problems

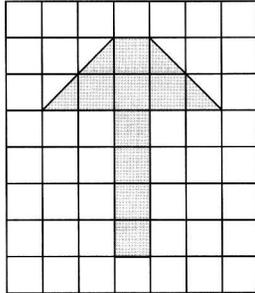


1. Work out the areas of these shapes.

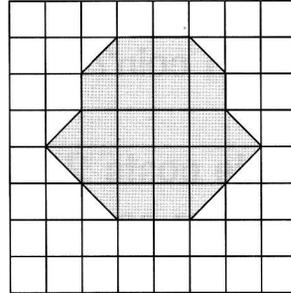
Each square is 1 cm^2



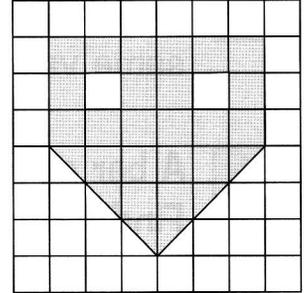
.....



.....



.....



.....

2. Add these masses together. Write your answers as mixed numbers.

a $1\frac{1}{4} \text{ kg} + 4 \text{ kg}$

d $10\frac{1}{4} \text{ kg} + 12 \text{ kg}$

b $\frac{1}{2} \text{ kg} + 2 \text{ kg}$

e $14\frac{1}{12} \text{ kg} + 14 \text{ kg}$

c $1\frac{1}{3} \text{ kg} + 3\frac{1}{3} \text{ kg}$

f $8\frac{1}{3} \text{ kg} + 8\frac{1}{3} \text{ kg}$

3. Solve these problems.

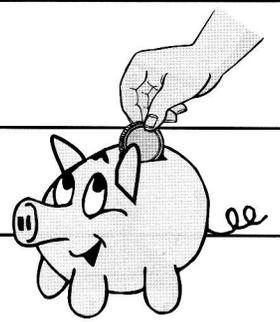


a A jar contains 0.46 kg of jam. 175 g of the jam are used. How many grams of jam are left?

b A pair of scales has 644 g in pan A and 296 g in pan B. How many grams must be added to pan B to make the scales balance?

c How many grams must be added to 340 grams to make 1.75 kilograms ?

Money Problems



1. Solve these problems.

- a How many 5p pieces have the same value as a £1 coin?
- b A bar of chocolate costs 24p. Find the cost of four bars.
- c Share £1.20 equally among three girls. How many pence does each girl receive?

2. Solve these problems. Write the answers in words.

- a By how much is 29p more than 14p?
- b Work out half of £30 and add £4.00 to your answer.

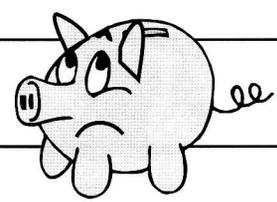
3. Work out the answers to these questions.

- a $\frac{1}{4}$ of Bill's money is 18p. Find $\frac{3}{4}$ of his money.
- b What is the cost of five raffle tickets priced at 55p each?

4. How much change do you get from £5 if you spend...

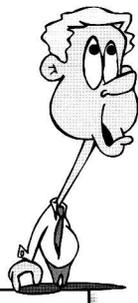
- | | | |
|----------------|----------------|----------------|
| a £2.37? | c £0.83? | e £1.91? |
| b £3.85? | d £4.62? | f £4.54? |

Money Problems



1. What is the cost of the following items?

- a 3 jigsaws at £4.46 each.
- b 5 books at £1.30 each.
- c 7 erasers at 24p each.
- d 2 toys at £7.75 each.
- e 4 CDs at £5.99 each.
- f 6 snacks at 90p each.



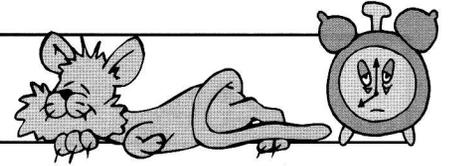
2. Cross out the calculations that are incorrect.

- £1.47 + 76p = £2.23 £1.44 ÷ 6 = 25p £8.30 - 42p = £7.88
- 94p + £1.69 = £2.53 93p × 4 = 372p £3.40 - 54p = £2.84

3. Double each of the amounts below.

- | | | |
|---------------|---------------|---------------|
| a £2.06 | e £8.58 | i £5.68 |
| b £7.42 | f £3.48 | j £5.34 |
| c £1.52 | g £6.60 | k £9.72 |
| d £4.24 | h £3.18 | l £7.94 |

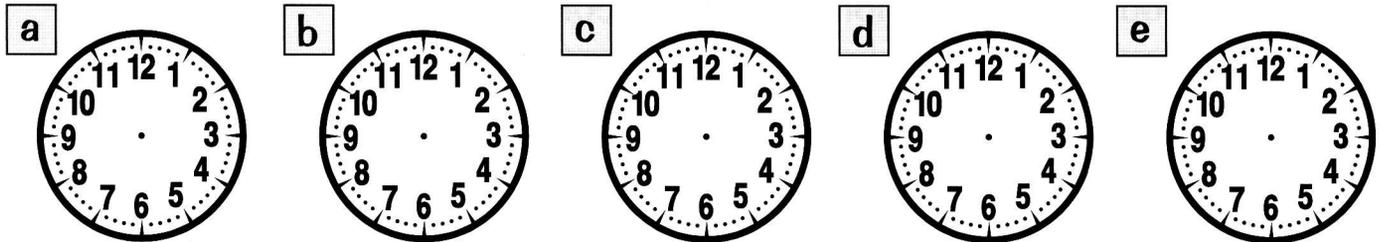
Time Problems



1. Fill in the gaps in this table.

a	eight o'clock in the morning	08:00 h	8:00 am
b	seventeen minutes past three in the afternoon		
c		12:00 h	
d	thirteen minutes to four in the morning		
e		00:00 h	

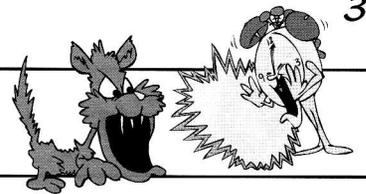
2. Draw the times in question 1 on these clock faces.



3. Do these word problems.

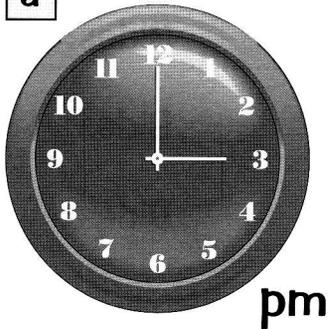
- a Sophie spent 36 minutes each day, Monday to Friday, on her homework. How many hours is this in total?
- b Dominic is 36 months older than his brother who is 13 years old. What age is Dominic?
- c How many months in thirteen years?
- d It took John 3 minutes 14 seconds to run a race. How long is this in seconds?

Time Problems



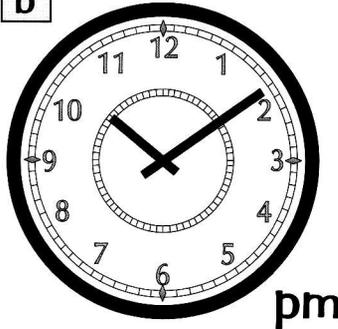
1. Write these times as they would appear on a 24-hour clock.

a



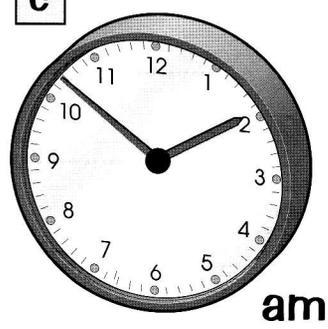
.....

b



.....

c



.....

2. How many hours are in...

a 3 days 6 hours?

c 6 days 19 hours?

b 5 days 13 hours?

d 2 days 5 hours?

3. Write these times as they would appear on a 12-hour clock. Use am or pm.

a 12:17

d 23:44

b 17:20

e 13:35

c 22:00

f 07:05



4. How many days are in...

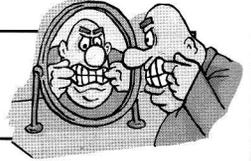
a 2 weeks 1 day?

c 7 weeks 2 days?

b 4 weeks 6 days?

d 5 weeks 5 days?

Shape, Symmetry and Movement



1. Name six different 2D shapes.

Write the name and the number of sides for each shape.

- | | | | | | | | |
|----|-------|--------|-------|----|-------|--------|-------|
| 1. | ..... | Sides: | ..... | 4. | ..... | Sides: | ..... |
| 2. | ..... | Sides: | ..... | 5. | ..... | Sides: | ..... |
| 3. | ..... | Sides: | ..... | 6. | ..... | Sides: | ..... |

2. Complete each of these sentences. Choose from the endings given.

a An isosceles triangle...

.....

b A scalene triangle...

.....

c An equilateral triangle...

.....

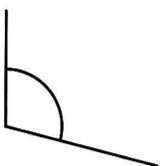
...is a triangle whose sides are all of different lengths.

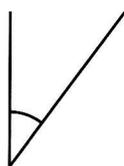
...is a triangle with two sides of equal length.

...is a triangle with all three sides the same length.

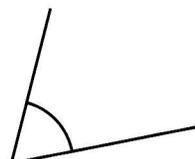


3. Put a tick below the angles that are acute and a cross below the angles that are obtuse.





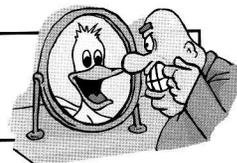








Shape, Symmetry and Movement

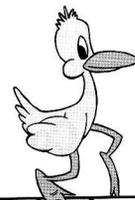
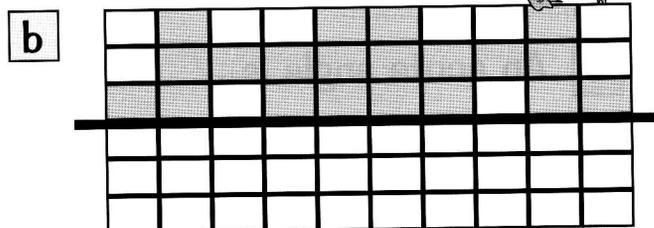
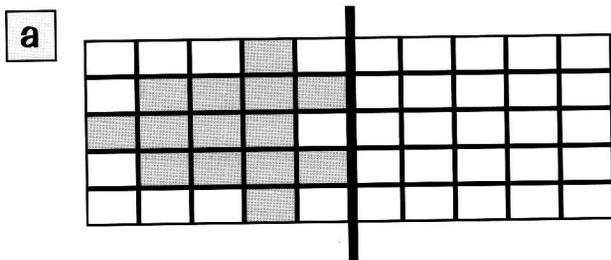


1. Give the correct name for the 2D shape described by each of these clues.

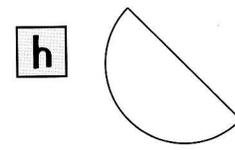
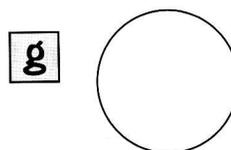
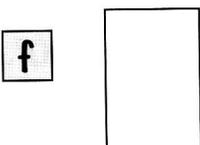
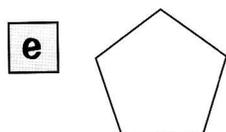
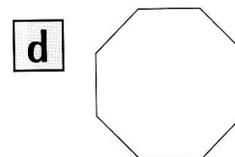
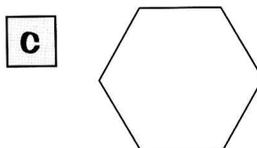
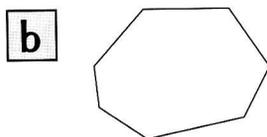
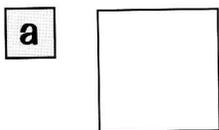
octagon rectangle heptagon hexagon
triangle pentagon circle polygon

- | | | | | | |
|---|---------|-------|---|----------------------------------|-------|
| a | 6 sides | ..... | e | 7 sides | ..... |
| b | 8 sides | ..... | f | round | ..... |
| c | 5 sides | | g | 4 sides,
4 right angles | |
| d | 3 sides | | h | any shape with
straight sides | |

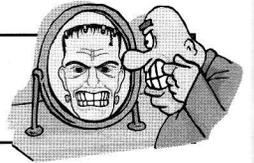
2. Sketch the reflection of each of these shapes.



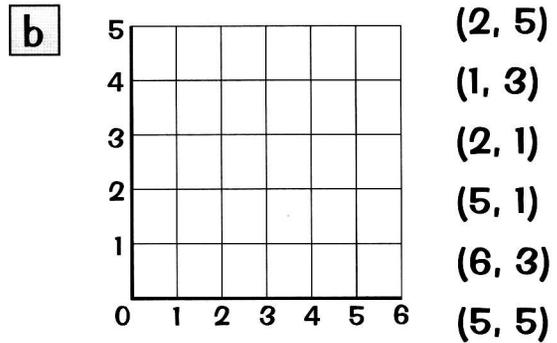
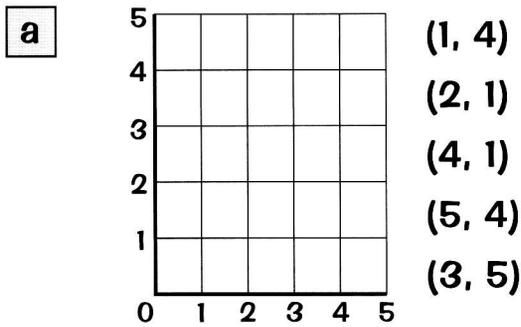
3. Colour in the shapes that have at least two lines of symmetry.



Shape, Symmetry and Movement



1. The points at the side of each grid are the coordinates of the vertices of a shape. Mark the points on the grid with a cross (x) and name the shape.



.....

.....

c Three of the vertices of a square are (1, 1), (1, 5) and (5, 5). What are the coordinates of the fourth vertex?

.....

2. Complete each of these sentences. Choose from the endings given.

a An acute angle is...

.....

b An obtuse angle is...

.....

c A protractor is...

.....

d A set square is...

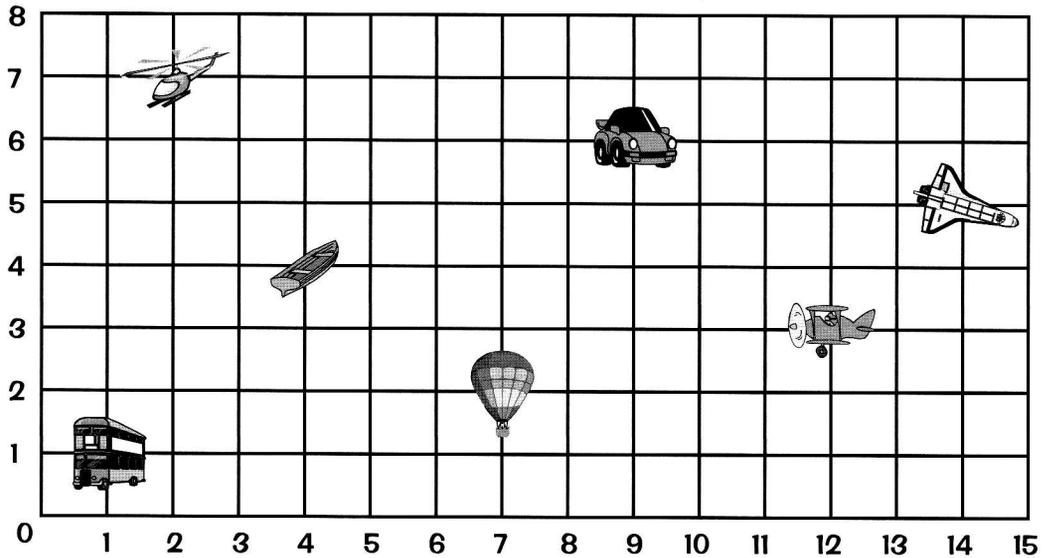
.....

- ...a semi-circular instrument for measuring angles.
- ...an angle more than 90° but less than 180°.
- ...a flat triangular instrument with 1 right angle.
- ...a sharply pointed angle whose size is between 0° and 90°.

Shape, Symmetry and Movement



1. Write down the coordinates for each item shown on the grid in the box next to its name.



a helicopter

e rocket

b air balloon

f car

c aeroplane

g boat

d bus

2. Describe how you would translate the items on the grid in question 2 in the following ways.

a move the bus to (7, 3) right 6, up 2

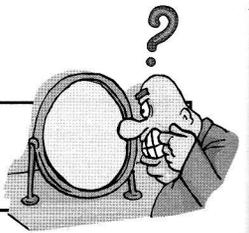
b move the car to (5, 1)

c move the boat to (14, 2)

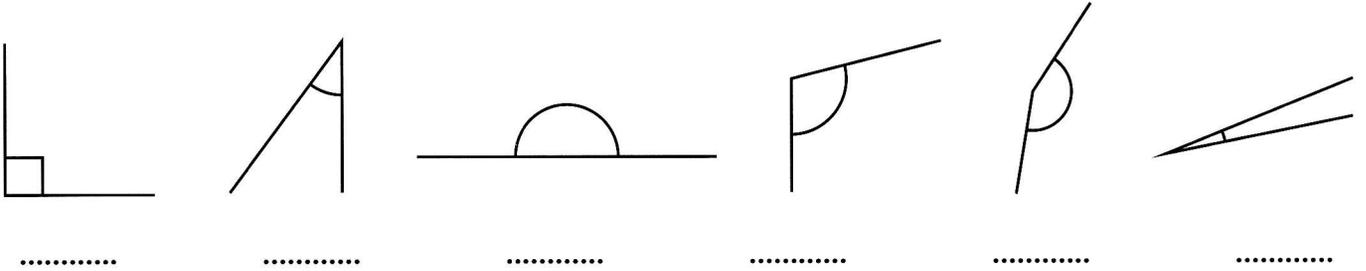
d move the rocket to (8, 1)



Shape, Symmetry and Movement



1. Number these angles from 1 to 6, with 1 being the smallest angle.

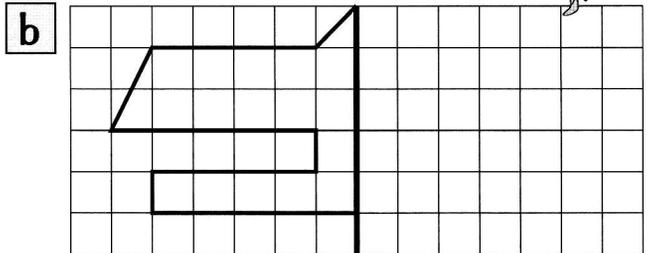
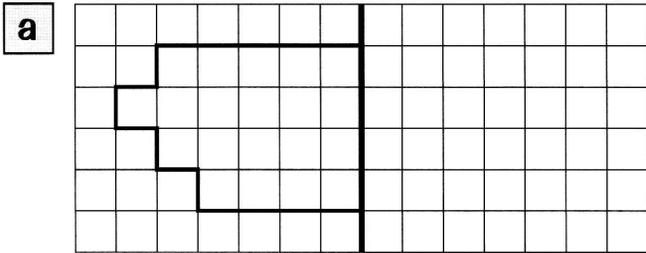


2. Explain the difference between an isosceles triangle and an equilateral triangle.

.....

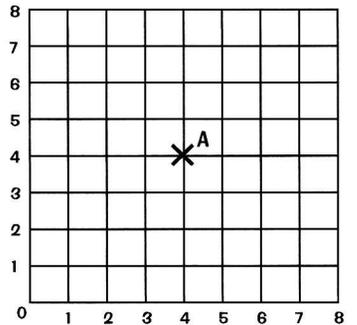
.....

3. Use a ruler to draw reflections of these shapes.

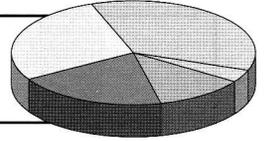


4. What will the new coordinates of point A be after these translations?

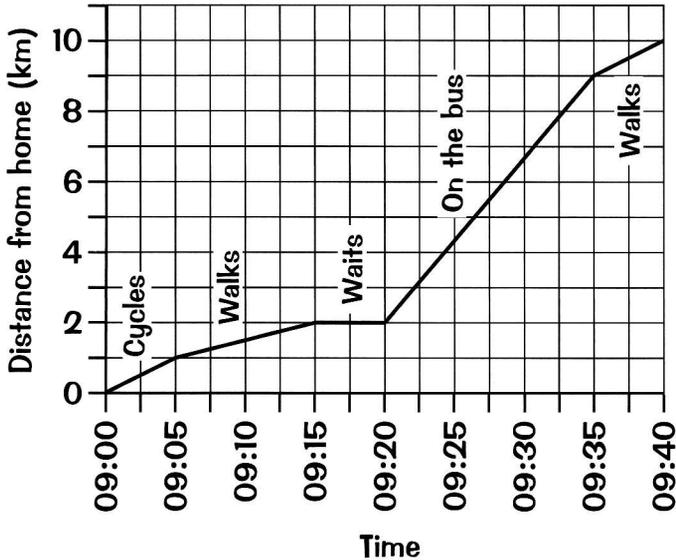
- a Left 3, up 4
- b Right 2, up 1
- c Right 4, down 4



Using Data



1. Below is a graph of Robert's journey from home to the leisure centre. Use it to answer these questions.

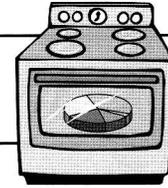


- a What time does Robert leave home?
- b How far does he cycle?
- c How long does he wait for the bus?
- d How long does the whole journey take?

2. This table shows the number of ice creams sold by an ice cream van over four days. Use it to help you answer these questions.

Ice Cream Flavour	Number Sold				TOTALS
	Thurs	Fri	Sat	Sun	
Vanilla	14	19	41	49	
Chocolate	25	31	40	44	
Strawberry	17	15	17	20	
Bubblegum	8	0	14	20	
Mint Choc Chip	12	23	19	36	
TOTALS					

- a Fill in the Totals column and row in the table above.
- b Which flavour sold the most over the four days?
- c On which day was the most ice cream sold?
- d How many more ice creams were sold on Saturday than Thursday?



Using Data

1. Use the bar chart to answer these questions.

a What is the maximum temperature in:

February?

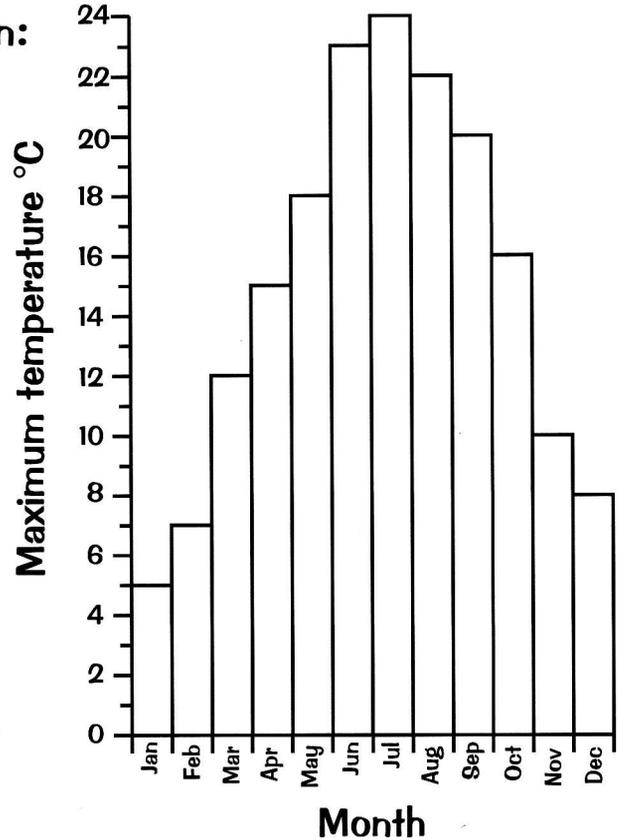
April?

October?

August?

June?

March?



b Which month has the hottest maximum temperature?

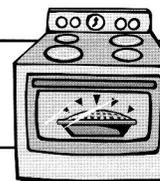
c Which month has a maximum temperature of 5 °C?

d How many months have a maximum temperature greater than 9 °C?

e What is the difference between the maximum temperatures in March and September?

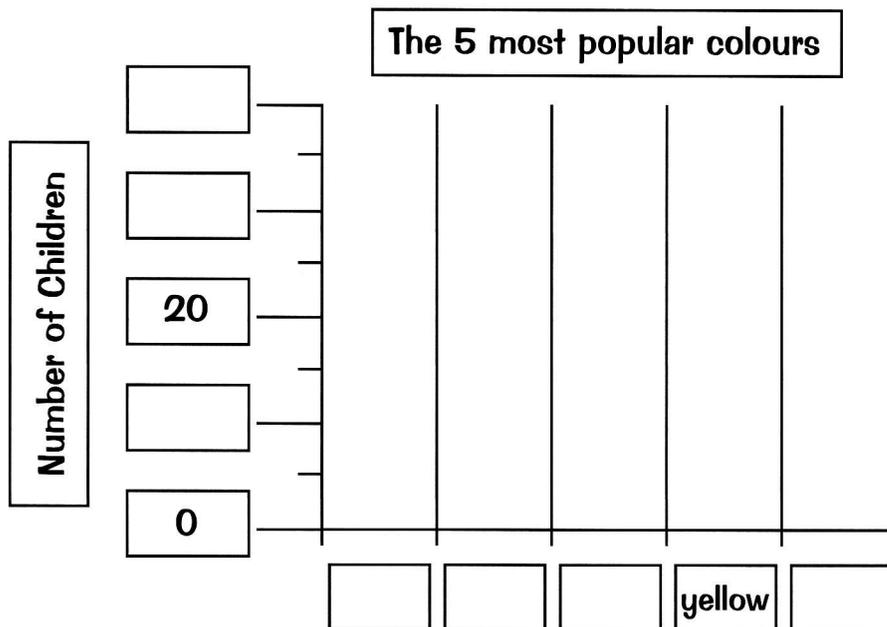
f Which month has a maximum temperature warmer than February but colder than November?

Using Data



1. A group of children chose their favourite colours. The results are shown in the table. Complete the unfinished bar chart to show the results given in the table. Then answer the questions below.

Colour	Children
red	40
blue	25
green	10
yellow	30
orange	35

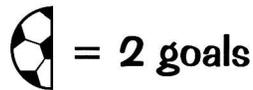
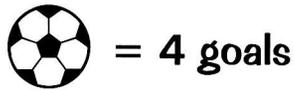


- a Which two colours together had the same number of votes as orange?
- b Which was the most popular colour?
- c How many more people preferred orange to blue?
- d How many people in total liked the two most popular colours?
- e How many children altogether liked the two least popular colours?
- f Which colour was three times as popular as green?
- g Which colour received only a quarter as many votes as red?
- h How many children were involved in doing the survey?

Using Data



1. Below is a pictogram to show the number of goals scored by different players on a football team, over one season. Use the information in the pictogram below to answer the questions.



Player	Goals scored	Total
Rio Strike		
Oscar Side		9
Mark Dribble		7
Keith Kicker		18
Owen Goal		
Ned Field		



- a Fill in the gaps in the pictogram above.
- b Who scored the most goals in the season?
- c How many more goals did Keith Kicker score than Ned Field?
- d Who scored half as many goals as Keith Kicker?
- e How many goals behind the highest scorer was Owen Goal?

Answers — Pages 1 to 12

PAGE 1

- Q1. (0), 25, 50, 75, 100, 125, 150, 175, 200, 225
- Q2. (0), 1000, 2000, 3000, 4000, (5000), 6000, 7000, 8000
- Q3. a) 3 b) 7
c) 50 d) 43
e) 90 f) 33
g) 19 h) 24
- Q4. -30, -25, -20, -15, -10, (-5), (0), (5), 10, 15, 20, 25, 30

PAGE 2

- Q1. a) (0), 6, 12, 18, 24, 30, 36, 42, 48, 54
b) (0), 9, 18, 27, 36, 45, 54, 63, 72, 81
c) (0), 7, 14, 21, 28, 35, 42, 49, 56, 63
- Q2. a) -2 b) -7
c) -4 d) -7
e) -3 f) -9
- Q3. -34, -8
- Q4. a) -2 °C b) -4 °C
c) -7 °C

PAGE 3

- Q1. 7164
- Q2. a) 70 b) 6000
c) 6 d) 800
e) 30 f) 8000
g) 900 h) 60
i) 7
- Q3. a) 5000, 3
b) 100, 30
c) 7000, 800, 9
d) 1000, 900, 80
- Q4. 879

PAGE 4

- Q1. a) 3 hundreds
b) 89 ones
c) 7 hundreds
d) 65 tens
e) 8 hundreds
f) 5 tens
- Q2. a) 1234, 1235, 1324, 1325, 1532, 1534, 1543
b) 5554, 5545, 5544, 5455, 5454, 5445, 5444
- Q3. a) 6541, 1456
b) 8721, 1278
c) 9762, 2679
d) 8832, 2388
e) 9431, 1349
f) 7653, 3567

PAGE 5

- Q1. a) £3900, £3990, £9808, £9890, £9990
b) £778, £7787, £7789, £8732, £8873
- Q2. a), b) and c)
Any suitable numbers so that numbers are in increasing order.
- Q3. a) > b) <
c) < d) >
e) > f) <

PAGE 6

- Q1. a) 4614 b) 2893
c) 5525 d) 827
e) 8899 f) 7657
- Q2. a) 816 b) 1131
c) 6470 d) 9713
- Q3. a) 7342 cm b) 9925 ml
c) 10146 g
- Q4. a) completed example
b) 285, (365), (650) (535), 475, (1010) 820, (840), 1660
c) (372), (186), 558 295, (404), (699) (667), 590, 1257

PAGE 7

- Q1. a) 9145 b) 6725
c) 6831 d) 8432
- Q2. a) (2210), 2330, 2060 4430, (4550), 4280 3320, 3440, (3170) b) 955, 1177, (1321) 1197, (1419), 1563 (1411), 1633, 1777
- Q3. a) 11 492 b) 16 958
c) 83 571 d) 99 911
e) 40 167 f) 10 349
- Q4. a) (3) (2) 1 (2) (1) 4 (8) (7) 4 (6) (9) 9
b) 4 (6) (2) 1 (1) (3) 9 (2) (6) 0 (1) (3)

PAGE 8

- Q1. a) 7940 b) 9946
c) 8432 d) 9430
e) 15450 f) 10347
- Q2. a) two thousand, nine hundred and thirty one
b) six thousand, nine hundred and seventy three
c) five thousand and seventy one
- Q3. a) 298 b) 9082
c) 5309 d) 9936

PAGE 9

- Q1. a) 486 b) 2683
c) 9891 d) 1972
e) 7934 f) 6701
- Q2. a) 295 b) 74
c) 3310 d) 4502
- Q3. a) (518), 676, 861 498, (656), 841 508, 666, (851)
b) 462, 1372, (2363) 850, (1760), 2751 (306), 1216, 2207
- Q4. a) 427 b) 3210
c) 7826 d) 4394
e) 2233 f) 680

PAGE 10

- Q1. a) (1178), 4802, 6926 389, (4013), 6137 13, 3637, (5761)
b) 3054, 1765, (4102) 2623, (1334), 3671 (7743), 6454, 8791
- Q2. a) 296 b) 5564
c) 2272 d) 269
e) 1099 f) 2218
g) 982 h) 4898
- Q3. a) 9728 b) 2304
c) 8452 d) 6962
e) 3508 f) 2702
g) 75 522 h) 60 621

PAGE 11

- Q1. a) (8) (9) 6 (4) (3) 3 (5) 2 5 (6) (1) (2)
b) (4) 0 (7) (2) 3 (9) 5 (1) (0) (1) (2) 1
- Q2. a) 2479 b) 4965
c) 51 d) 1688
- Q3. a) 1338 ml b) 964 g
c) 2025 m

PAGE 12

- Q1. a) 42 b) 7
c) 8 d) 54
e) 10 f) 5
g) 48 h) 9
i) 8
- Q2. 6, 18, (27), 3, 12, 0, 21, 9, (24), 15, 30 10, 30, 45, 5, (20), 0, (35), 15, 40, 25, 50 (14), 42, 63, 7, 28, 0, 49, 21, 56, 35, (70)
- Q3. a) 1 b) 1
c) 0
- Q4. a) (150), 210, 270 300, (420), 540 450, 630, (810)
b) 640, 320, (480) 320, (160), 240 (960), 480, 720

Answers — Pages 13 to 23

PAGE 13

- Q1. a) 144 b) 792
 c) 511 d) 183
 e) 5550 f) 4599
 g) 1944 h) 3335
- Q2. a) 1500 b) 2500
 c) 2000 d) 3500
- Q3. a) 96 b) 54
 c) 110 d) 96
 e) 120 f) 132
- Q4. 1, 2, 3, 6, 9 and 18 should be circled.

PAGE 14

- Q1. a) 1225 b) 3465
 c) 1855 d) 2695
- Q2. 1 — 36, 2 — 18, 6 — 6,
 12 — 3, 4 — 9
- Q3. a) 66 eggs b) 960 lengths
 c) 980p/£9.80

PAGE 15

- Q1. a) 88 b) 4
 c) 5 d) 8
 e) 6 f) 8
- Q2. a) 6 b) 0.5
 c) 8.5 d) 0.47
 e) 0.96 f) 0.02
- Q3. a) 9 b) 121
 c) 9 d) 12
 e) 24 f) 1
 g) 7 h) 100
 i) 9
- Q4. 0.91

PAGE 16

- Q1. a) $45 \div 9$ b) $36 \div 12$
 c) $99 \div 11$ d) $54 \div 6$
 e) $132 \div 12$ f) $70 \div 7$
- Q2. (3), 5, 1, 7, 10, 12, 8, 4, (11), 2,
 6
 7, (9), 12, (3), 1, 4, 11, 2, 6, 5,
 8
- Q3. a) 8 pages b) 10 sweets
 c) 12 shelves

PAGE 17

- Q1. a) 53 b) 100
 c) 8 d) 10
 e) 1900 f) 100
- Q2. a) $3.6 = 3$ ones, 6 tenths,
 0 hundredths
 b) $0.08 = 0$ ones, 0 tenths,
 8 hundredths
 c) $0.7 = 0$ ones, 7 tenths,
 0 hundredths
- Q3. a) 9 b) 42
- Q4. a) 6 b) 7
 c) 7 d) 12
 e) 11 f) 11

PAGE 18

- Q1. a) 60 b) 60
 c) 70 d) 50
- Q2. a) 130, 100 b) 110, 100
 c) 180, 200 d) 590, 600
- Q3. Accept any sensible answer,
 for example:
 a) 100 b) 30
 c) 40 d) 60
 e) 55 f) 90
 g) 70 h) 80
- Q4. a) 3680, 3700, 4000
 b) 7330, 7300, 7000
 c) 5500, 5500, 5000
 d) 9710, 9700, 10 000

PAGE 19

- Q1. a) 20 cm b) 30 kg
- Q2. a) 7000 b) 6000
 c) 5000 d) 9000
- Q3. Your answers should be in the
 following ranges:
 a) 275 to 285
 b) 3 to 5 c) 45 to 55
 d) 165 to 175
- Q4. a) $912 \div 76 = 12$ or
 $912 \div 12 = 76$
 b) $1093 - 987 = 106$ or
 $1093 - 106 = 987$
 c) $2239 + 258 = 2497$ or
 $258 + 2239 = 2497$
 d) $179 \times 43 = 7697$ or
 $43 \times 179 = 7697$

PAGE 20

- Q1. a) 810 b) 27
 c) 498 d) 63
- Q2. 14.08, 14.48, 14.80, 14.84,
 18.04, 18.40, 18.48, 18.84
- Q3. a) $20 + 6 + \frac{4}{10} + \frac{7}{100}$
 b) $80 + 3 + \frac{1}{10} + \frac{5}{100}$
 c) $100 + 4 + \frac{2}{10}$
 d) $200 + 50 + 8 + \frac{9}{100}$
 e) $4 + \frac{5}{10} + \frac{8}{100}$
 f) $90 + \frac{7}{10} + \frac{5}{100}$
- Q4. $\frac{1}{10}$, $\frac{2}{10}$, $\frac{1}{4}$, 0.5, 0.7,
 0.75, $\frac{8}{10}$, $\frac{9}{10}$

PAGE 21

- Q1. a) 0.25 b) 5.3
 c) 0.01 d) 11.4
 e) 2.5 f) 6.7
 g) 3.5 h) 0.2
 i) 7.1 j) 8.04
 k) 4.75 l) 12.9
- Q2. a) $>$ b) $<$
 c) $<$ d) $>$
 e) $>$ f) $>$
- Q3. a) Any 3 boxes shaded.
 Any 4 boxes shaded.
 b) Any 4 boxes shaded.
 Any 2 boxes shaded.
 c) Any 6 boxes shaded.
 Any 3 boxes shaded.
 d) Any 9 boxes shaded.
 Any 6 boxes shaded.
 e) Any 2 boxes shaded.
 Any 8 boxes shaded.
 f) Any 2 boxes shaded.
 Any 8 boxes shaded.

PAGE 22

- Q1. a) $(7\frac{46}{100})$, $7\frac{47}{100}$, $7\frac{48}{100}$, $7\frac{49}{100}$, $7\frac{50}{100}$,
 $7\frac{51}{100}$, $(7\frac{52}{100})$, $7\frac{53}{100}$, $7\frac{54}{100}$
- b) 0 , $\frac{1}{100}$, $\frac{2}{100}$, $\frac{3}{100}$, $(\frac{4}{100})$, $\frac{5}{100}$, $\frac{6}{100}$,
 $(\frac{7}{100})$, $\frac{8}{100}$
- c) $3\frac{15}{100}$, $3\frac{16}{100}$, $(3\frac{17}{100})$, $3\frac{18}{100}$, $(3\frac{19}{100})$,
 $3\frac{20}{100}$, $3\frac{21}{100}$, $3\frac{22}{100}$, $3\frac{23}{100}$
- d) 2.93, 2.94, 2.95, 2.96, (2.97),
 2.98, 2.99, 3.00, 3.01
- e) $6\frac{27}{100}$, $6\frac{28}{100}$, $6\frac{29}{100}$, $6\frac{30}{100}$, $(6\frac{31}{100})$,
 $6\frac{32}{100}$, $6\frac{33}{100}$, $6\frac{34}{100}$, $6\frac{35}{100}$
- f) 0.97, 0.98, 0.99, 1.00, (1.01),
 1.02, 1.03, 1.04, 1.05
- Q2. a) $\frac{2}{8}$, $\frac{1}{4}$ b) $\frac{6}{10}$, $\frac{3}{5}$
 c) $\frac{1}{3}$, $\frac{2}{6}$, $\frac{3}{9}$
 d) $\frac{1}{4}$, $\frac{3}{12}$ e) $\frac{8}{10}$, $\frac{4}{5}$
 f) $\frac{4}{24}$, $\frac{2}{12}$, $\frac{1}{6}$
- Q3. a) 1 b) $\frac{1}{10}$
 c) $\frac{1}{100}$

PAGE 23

- Q1. a) $\frac{1}{8}$ b) $\frac{27}{42}$
 c) $\frac{5}{6}$ d) $\frac{7}{12}$
 e) $\frac{13}{17}$ f) $\frac{3}{23}$
- Q2. a) 30 b) 50
 c) 18 d) 36
 e) 35 f) 22
 g) 300 h) 33
- Q3. a) 36 b) 70
 c) 56

Answers — Pages 24 to 34

PAGE 24

- Q1. a) 64 b) 18
c) 14 d) 26
- Q2. a) $\frac{5}{10}$ ($= \frac{1}{2}$)
b) $\frac{11}{17}$
c) $\frac{17}{12}$ ($= 1\frac{5}{12}$)
d) $\frac{8}{18}$ ($= \frac{4}{9}$)
- Q3. a) 8, 4, 12, 6
24, 12, 36, 18
4, 2, 6, 3
160, 80, 240, 120
b) 4, 8, 16, 10
6, 12, 24, 15
2, 4, 8, 5
10, 20, 40, 25

PAGE 25

- Q1. a) 1000 g b) 5500 g
c) 6750 g d) 7250 g
e) 2700 g f) 8300 g
g) 3250 g h) 9040 g
- Q2. a) 2400 mm
b) 10 c) 630 mm
d) 20 cm
- Q3. a) 7000 m b) 2500 m
c) 4750 m d) 2290 m

PAGE 26

- Q1. a) 2 m b) 1.5 m
c) 1 m d) 1.75 m
e) 1.25 m f) 2.25 m
g) 1.6 m h) 1.7 m
- Q2. a) 16 cm b) 20 m
- Q3. a) 118 minutes
b) 166 minutes
c) 225 minutes
d) 287 minutes
e) 312 minutes
f) 369 minutes

PAGE 27

- Q1. a) 36 cm² b) 10 cm²
c) 20 cm² d) 25 cm²
- Q2. a) $5\frac{1}{4}$ kg b) $2\frac{1}{2}$ kg
c) $4\frac{2}{3}$ kg d) $22\frac{1}{4}$ kg
e) $28\frac{1}{12}$ kg f) $16\frac{2}{3}$ kg
- Q3. a) 285 g b) 348 g
c) 1410 g

PAGE 28

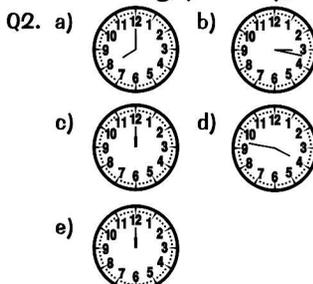
- Q1. a) 20 b) 96p
c) 40p
- Q2. a) fifteen pence
b) nineteen pounds
- Q3. a) 54p b) £2.75/275p
- Q4. a) £2.63 b) £1.15
c) £4.17 d) £0.38/38p
e) £3.09 f) £0.46/46p

PAGE 29

- Q1. a) £13.38 b) £6.50
c) £1.68 d) £15.50
e) £23.96 f) £5.40
- Q2. These should be crossed out:
94p + £1.69 = £2.53
£1.44 ÷ 6 = 25p
£3.40 - 54p = £2.84
- Q3. a) £4.12 b) £14.84
c) £3.04 d) £8.48
e) £17.16 f) £6.96
g) £13.20 h) £6.36
i) £11.36 j) £10.68
k) £19.44 l) £15.88

PAGE 30

- Q1. a) (eight o'clock in the morning, 08:00 h, 8:00 am)
b) (seventeen minutes past three in the afternoon), 15:17 h, 3:17 pm
c) midday/noon/twelve o'clock in the afternoon, (12:00 h) 12:00 pm
d) (thirteen minutes to four in the morning), 03:47 h, 3:47 am
e) midnight, twelve o'clock in the morning, (00:00 h), 12:00 am



- Q3. a) 3 hours b) 16 years old
c) 156 months
d) 194 seconds

PAGE 31

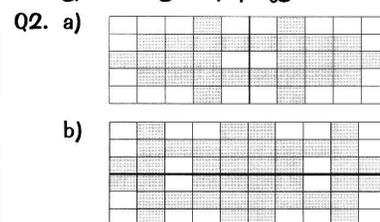
- Q1. a) 15:00 b) 22:09
c) 01:52
- Q2. a) 78 hours b) 133 hours
c) 163 hours d) 53 hours
- Q3. a) 12:17 pm b) 5:20 pm
c) 10:00 pm d) 11:44 pm
e) 1:35 pm f) 07:05 am
- Q4. a) 15 days b) 34 days
c) 51 days d) 40 days

PAGE 32

- Q1. Possible answers:
circle 1, semi-circle 2, triangle 3,
square 4, rectangle 4,
oblong 4, pentagon 5,
quadrilateral 4, hexagon 6,
heptagon 7, octagon 8.
- Q2. a) (An isosceles triangle)... is a triangle with two sides of equal length.
b) (A scalene triangle)... is a triangle whose sides are all of different lengths.
c) (An equilateral triangle)... is a triangle with all three sides the same length.
- Q3. X, ✓, X, ✓, X, ✓

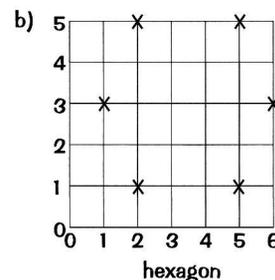
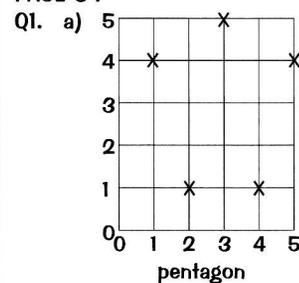
PAGE 33

- Q1. a) hexagon b) octagon
c) pentagon d) triangle
e) heptagon f) circle
g) rectangle h) polygon



- Q3. The following shapes should be coloured:
a, c, d, e, f, g

PAGE 34



- c) (5, 1)

Answers — Pages 35 to 40

- Q2. a) (An acute angle is)... a sharply pointed angle whose size is between 0° and 90° .
 b) (An obtuse angle is)... an angle more than 90° but less than 180° .
 c) (A protractor is)... a semi-circular instrument for measuring angles.
 d) (A set square is)... a flat triangular instrument with 1 right angle.

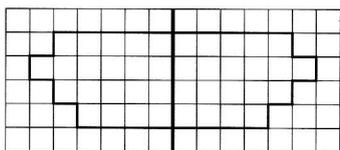
PAGE 35

- Q1. a) 2, 7 b) 7, 2
 c) 12, 3 d) 1, 1
 e) 14, 5 f) 9, 6
 g) 4, 4
 Q2. a) (right 6, up 2)
 b) left 4, down 5
 c) right 10, down 2
 d) left 6, down 4

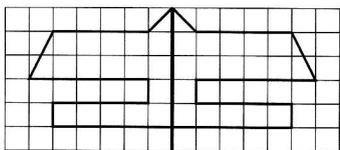
PAGE 36

- Q1. 3, 2, 6, 4, 5, 1
 Q2. An equilateral triangle has all three sides the same length and all angles equal, but an isosceles triangle has only two sides of equal length and only two equal angles.

Q3. a)



b)



- Q4. a) (1, 8) b) (6, 5)
 c) (8, 0)

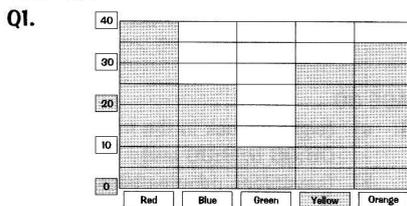
PAGE 37

- Q1. a) 09:00 b) 1 km
 c) 5 minutes
 d) 40 minutes
 Q2. a) Rows: 123, 140, 69, 42, 90
 Columns: 76, 88, 131, 169
 b) Chocolate
 c) Sunday
 d) 55

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- Q1. a) February: 7°C
 April: 15°C
 October: 16°C
 August: 22°C
 June: 23°C
 March: 12°C
 b) July c) January
 d) 9 e) 8°C
 f) December

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- a) blue and green
 b) red c) 10
 d) 75 e) 35
 f) yellow g) green
 h) 140

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Q1. a)

Player	Goals scored	Total
Rio Strike		17
Oscar Side		9
Mark Dribble		7
Keith Kicker		18
Owen Goal		10
Ned Field		11

- b) Keith Kicker
 c) 7 d) Oscar Side
 e) 8