

1) a) Write in figures the number eight thousand and twenty-four

Answer	(1)
b) Write in words the number 75	065
Answer	
c) What is the value of 6 in each	of the following numbers?
1567	Answer(1)
4629	Answer(1)
2) Calculate and show all your working,	
a) 272 + 78 + 15 =	b) 7837 – 2341

Answer ......(1) Answer .....(1)

c) 54 × 7=

d) 495 ÷ 3 =

Answer ......(1) Answer .....(1)

e) 62·71+14·7	f) 53–11·7
Answer(1) g) 637 × 53 =	Answer(1)
	Answer(3)
<ul> <li>3) Sally has these number cards:</li> <li>8 5</li> <li>a) What is the largest 3-digit number shows</li> </ul>	9 2 e can make?
	Answer(1)
b) What is the largest 4-digit number sh	
c) What is the smallest 4-digit number s	Answer(1) he can make?
	Answer(1)
d) Make a number between 7500 and 8 using only the card numbers.	300,

Answer .....(1)

- 4) A bar of chocolate costs 64p.
- a) How many bars can be bought for £5

Answer .....(1)

b) How much money will be left?

Answer .....(1)

5) Work out a) 45 - 12 + 9

b) 40–15÷5

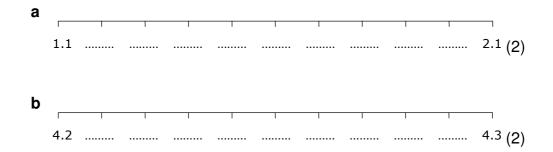
Answer.....(1) Answer.....(1)

6) John is trying to reach a high shelf which is 3.1 m off the ground. John is 1.76 m tall. Standing on tiptoes adds 12 cm to his height, and stretching out his arms adds  $\frac{1}{2}$  m to his height.

John stands on a chair 0.64 m high, on tiptoes, and stretches out his arms. How far below the shelf, in centimetres, are his hands?

..... cm (3)

7) Fill in the missing numbers on the number lines below.



8) Solve the percentage problems.

a I drink 25% of my carton of apple juice. What percentage is left?

.....% (1)

**b** 34% of students walk to school. What percentage of pupils do not walk to school?

.....% (1)

9) The diagram shows part of a centimetre ruler. В С D 5 8 ġ. 3 6 7 n 1 2 Write down the distance from: A to B ..... C to D ..... b а (2)

10) **Use numbers from the list below** to answer each question.

	12	17	23	28	30	45	48	49	60
<b>a</b> Writ	e dow	n a mi	ultiple	of 9.					
<b>b</b> Writ	e dow	n a fac	ctor of	24.					
<b>c</b> Writ	e dow	n a pri	me nu	mber.					
<b>d</b> Writ	e dow	n a sq	uare n	umber					(4)

11) Place the following sets of numbers in order, smallest first.

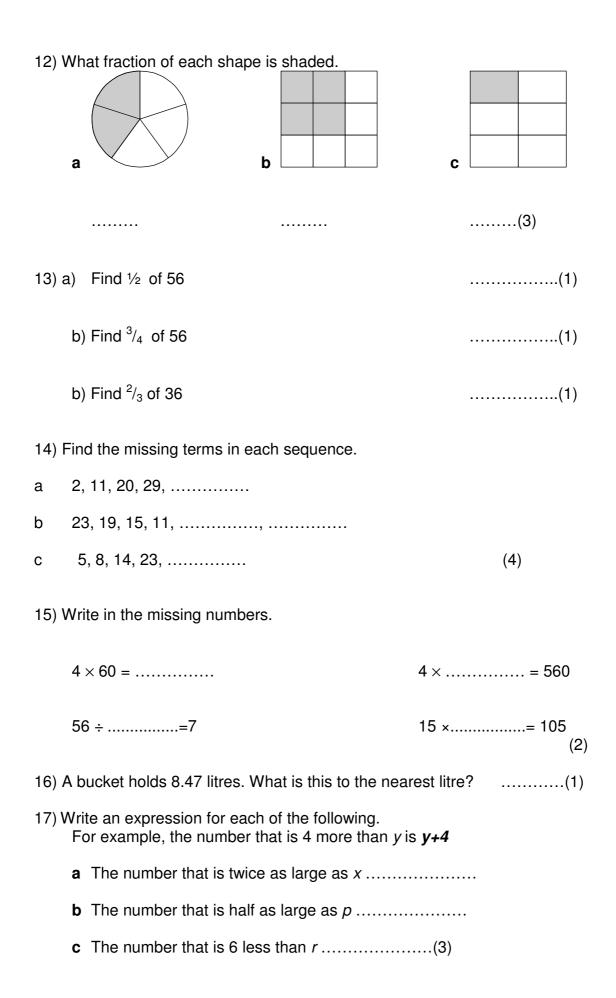
**a** 3.5, 3.44, 3.04, 3.05

.....

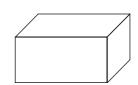
**b** 0.93, 0.903, 0.093, 0.9

.....

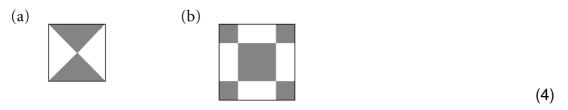
c 105 minutes, 1 hour and 5 minutes, 1.5 hours, 1 hour and 50 minutes



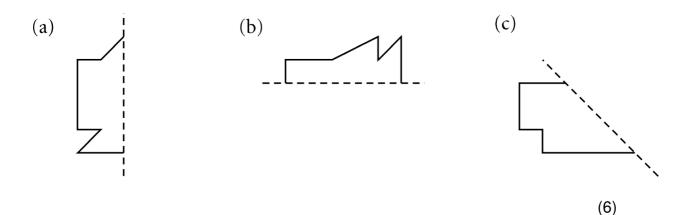
18)



- 19) Draw all the lines of symmetry on each of these shapes.



20) Complete these symmetrical shapes. The dotted lines are mirror lines.



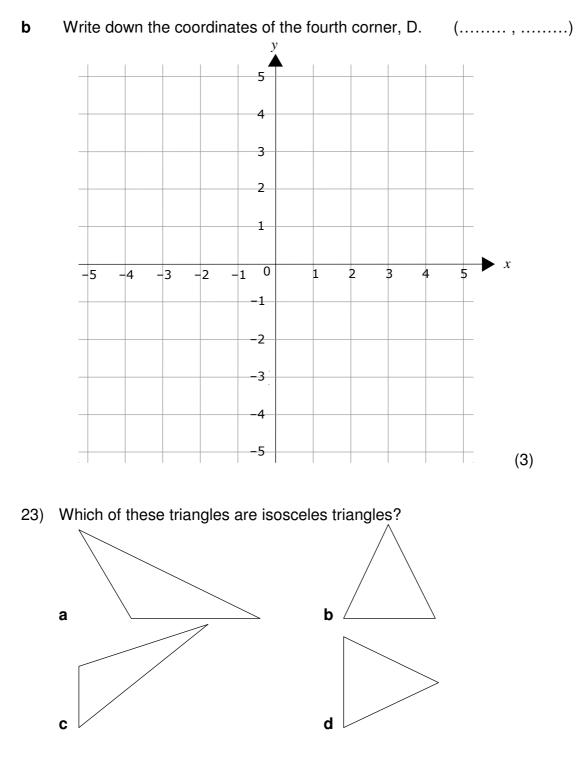
21) Sarah says, "I am thinking of a number, I then multiply that number by 6 and then subtract 7 and the answer is 23".

What number is Sarah thinking of?

.....(2)

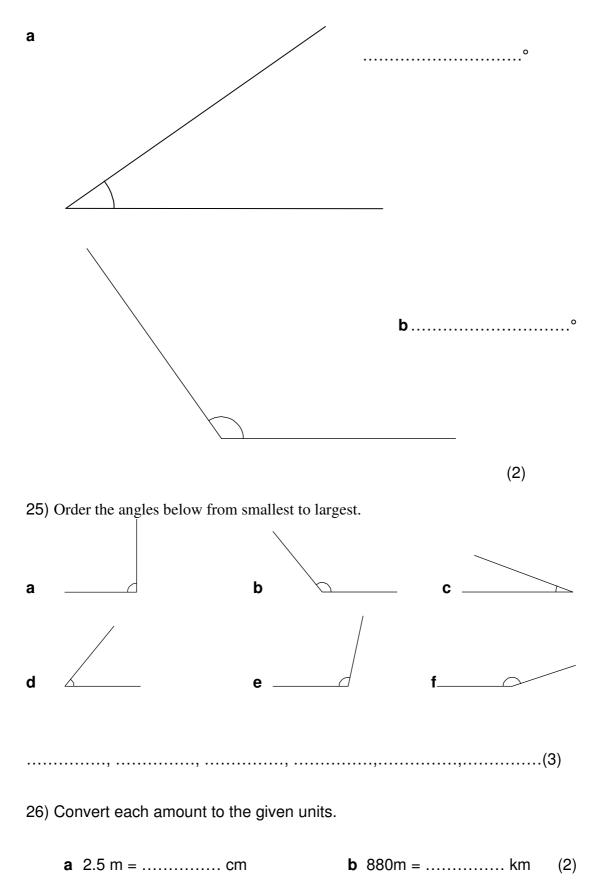
22) **a** Plot and label the points A(1, 4), B(4, -2) and C(0, -4) on the grid.

A, B and C are three corners of a rectangle, ABCD.



.....(2)

24) Measure the size of each of the following angles.

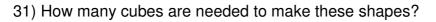


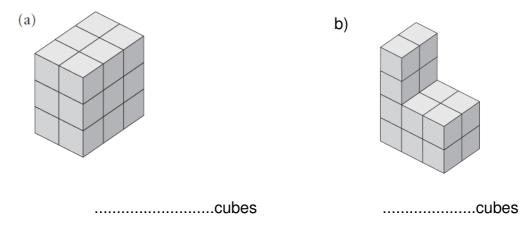
27) (		of the words in t ents occurring.	he box to	describe	e the cha	ance of each	n of the
		Very unlikely	Unlikely	Evens	Likely	Very likely	Certain
а	You will get	a head when y	ou throw a	a coin.			
	<b>b</b> You will g	o to school on	Christmas	aday			
	c The perso	on nearest to m	e will fall o	off the ch	nair in th	ie next minu	te
	<b>d</b> You will re	ead something	tomorrow				(4)
28) A 12.24		Ashford station	n at 10.47	am and	arrives i	n London at	
How	long did the j	journey take?					
							(2)
29)	a) Work ou	t 25% of £48					(1)
	b) Work ou	t 10% of £25					(1)
	b) Work ou	t 50% of 240					(1)
<b>2</b> 0)	0 7 10	0 0 44 45	0 7 40				

30) 8, 7, 12, 9, 9, 11, 15, 8, 7, 10

Find the mean of these numbers.

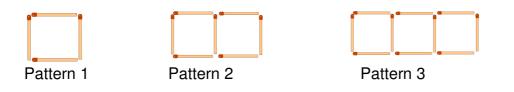
.....(2)





32) Draw three more lines on the grid below to make a square.

33) The diagram shows a pattern made of matches.



(1)

**a** Draw the next pattern in the diagram.

(1)

**b** Complete the table to show the number of matches in each pattern.

Pattern	1	2	3	4
Number of matches	4			

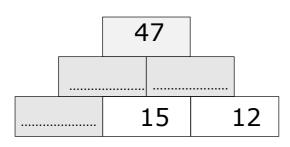
(2)

- **d** How many matches will there be in Pattern 100?.....(1)

34)

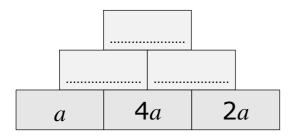
Complete each of the following 'brick walls'. Make sure that the 'bricks' next to each other **add up to the 'brick' above them**.

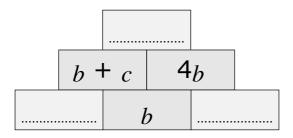






(3)





(3)

(3)

35) (a) I am thinking of a number. My number is a **multiple of 4** 

Tick ( $\checkmark$ ) the true statement below. My number My number My number must be odd could be odd or even must be even Explain how you know. (1) I am thinking of a **different** number. (b) My number is a factor of 20 Tick (¥ ) the true statement below. My number My number My number must be even must be odd could be odd or even Explain how you know.

(1) mark

36) You can make different colours of paint by mixing red, blue and yellow in different **proportions.** 

For example, you can make green by mixing **1 part blue** to **1 part yellow.** 

(a) To make purple, you mix 3 parts red to 7 parts blue.

How much of each colour do you need to make **20 litres** of purple paint?

Give your answer in litres.

..... litres of red and ..... litres of blue

(2)

(b) To make orange, you mix **13 parts yellow** to **7 parts red.** 

How much of each colour do you need to make **10 litres** of orange paint? Give your answer in litres.

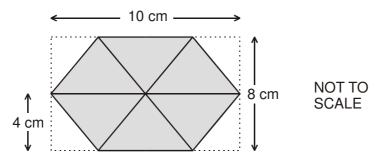
..... litres of yellow and ..... litres of red

A box for coffee is in the shape of a hexagonal prism.



One end of the box is shown below.

Each of the 6 triangles in the hexagon has the same dimensions.



Calculate the total **area** of the hexagon.

Show your working.



(2)

- 38) , , ,  $\nabla$ ,  $\oplus$  stand for numbers and keep their value in each of the statements below.
  - + ♣ = ⊕
- **⊕** 2 = 8
- **♣** + ⊕ =11
- ∇ + = 12



**END OF TEST**