

**DOWNSEND**  
**SCHOOL**

**YEAR 5**

**EASTER REVISION**  
**BOOKLET**

*This booklet is an optional revision aid for the Summer Exam*

Name: \_\_\_\_\_

Maths Teacher: \_\_\_\_\_

## Revision List for Summer Exam

<b>Topic</b>	<b>Junior Maths Bk 3</b>
Place Value	Chapter 3
Special Numbers Squares, square roots, cubes, cube roots, factors, multiples, primes	Chapter 4, 5
Doubling and Halving	-
Function Machines	Chapter 10
Four Operations Add, Subtract, Multiplication & Division. Long Multiplication, Division by Factors	Chapter 14, 15
Multiply and Divide by 10, 100, 1000	Chapter 12, 13
Patterns and sequences	-
Decimals Adding and Subtracting Dividing by whole numbers only Multiply by whole number and by decimals Conversion to fractions, percentages	Chapter 6
Fractions Equivalent, simplifying, Mixed Nos, Fractions of an amount Simple calculations Conversion to decimals, percentages	Chapter 6, 7
Percentages Finding % of an amount Conversion to decimals, fractions	Chapter 6, 8
Conversion of metric units	-
BIDMAS	-
Time and timetables 12 hour and 24 hour time, conversions	-
Co-ordinates & Translation	Chapter 17
Scales	-

<b>Graphs &amp; Data Handling</b> Frequency, Tally Charts, Bar Charts, Line Graphs, Venn	Chapter 21
<b>Averages</b> Range, Mean, Mode, Median	Chapter 22
<b>Symmetry</b> Reflective, Rotational, Order of Rotation	Chapter 18
<b>Congruent and Similar Shapes</b>	-
<b>Nets</b>	Chapter 20
<b>Names and Properties of 3-d Shapes</b> Terminology: Faces, Vertices, Edges	Chapter 20
<b>Names and properties of 2-d Shapes</b>	-
<b>Area and Perimeter</b> Square, Rectangle, Triangle, Compound Shapes	Chapter 19
<b>Volume</b> Cubes and Cuboids	Chapter 20
<b>Lines</b> Terminology: Parallel, Perpendicular, Horizontal, Vertical	-
<b>Angles</b> Types (acute, obtuse, reflex) Naming with 3 letters	Chapter 16
<b>Using a Protractor</b>	Chapter 16
<b>Angles Rules</b> Angles on straight lines, around a point, triangles, quadrilaterals, vertically opposite	Chapter 16
<b>Probability</b>	Chapter 23
<b>Construction of Triangles</b>	-

***Your best learning resources are your blue class work book, your class text book and the MyMaths website.***

***Do not rely solely on your text book as not all topics are covered.***



Write in figures:

4) One hundred and sixty seven thousand, three hundred and one

\_\_\_\_\_

5) Two million, twelve thousand and four \_\_\_\_\_

Remember when writing numbers in figures:

<b>M</b>	Space	100 <b>Th</b>	10 <b>Th</b>	<b>Th</b>	Space	100 <b>H</b>	10 <b>T</b>	<b>U</b>
_____		_____	_____	_____		_____	_____	_____

6)

$$\begin{array}{r} 7123 \\ + 4186 \\ \hline \\ \hline \end{array}$$

7)

$$\begin{array}{r} 4000 \\ - 3127 \\ \hline \\ \hline \end{array}$$

8)

$$\begin{array}{r} 2186 \\ - 1214 \\ \hline \\ \hline \end{array}$$

9)

$$4 \overline{) 4668}$$

10)

$$3 \overline{) 3168}$$

11)

$$\begin{array}{r} 4712 \\ \times 9 \\ \hline \\ \hline \end{array}$$

12)

$$\begin{array}{r} 1716 \\ \times 42 \\ \hline \\ \hline \\ \hline \end{array}$$

13)  $13 + 7.02 + 14.3 =$

\_\_\_\_\_

\_\_\_\_\_

14) Answer the following:

a)  $58 \times 10 =$  \_\_\_\_\_

c)  $42 \times 2000 =$  \_\_\_\_\_

b)  $680 \times 100 =$  \_\_\_\_\_

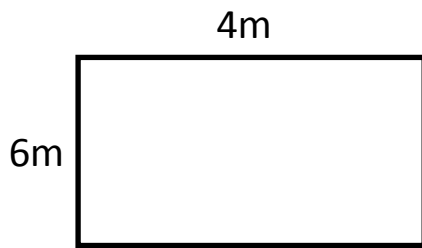
d)  $8910 \div 10 =$  \_\_\_\_\_

e)  $50000 \div 1000 =$  \_\_\_\_\_

f)  $800 \div 20 =$  \_\_\_\_\_

Find the area and perimeter of the following shapes:

15)



area

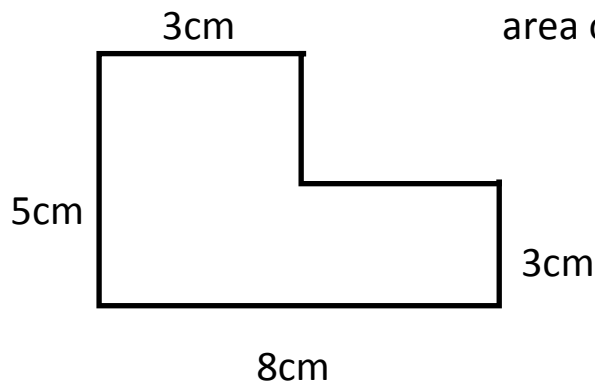
=

= \_\_\_\_\_ m<sup>2</sup>

perimeter

= \_\_\_\_\_ m

16)



area of shape A = \_\_\_\_\_ cm<sup>2</sup>

B = \_\_\_\_\_ cm<sup>2</sup>

Total = \_\_\_\_\_ cm<sup>2</sup>

perimeter =

= \_\_\_\_\_ cm

17) Simplify to the simplest form

a)  $\frac{3}{6} =$

b)  $\frac{15}{20} =$

c)  $\frac{25}{30} =$

d)  $\frac{11}{33} =$

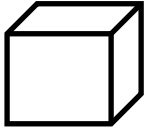
18) Write these times as 24 hour times

a) 6:17pm = \_\_\_\_\_ b) 4:26am \_\_\_\_\_

19) List the factors of 30 \_\_\_\_\_ (8)

20) List the first 5 multiples of 12 \_\_\_\_\_

21) Find the volume of a cube that has the sides of 3cm



Volume = \_\_\_\_\_ cm<sup>3</sup>

22) Share 456 marbles evenly between 3 boys

Each boy will get \_\_\_\_\_ marbles.

23) Betty buys a coat for £97 and trainers for £58. How much does she spend altogether?

£ \_\_\_\_\_

24) Our school raises £150 for six charities. Each charity gets  $\frac{1}{6}$  of the amount raised. How much did each charity get?

£ \_\_\_\_\_

25) For a school party Mrs Swain buys six boxes of 125 straws each. How many straws did she buy altogether?

\_\_\_\_\_ straws

26) Find:

a) 50% of 82cm

= \_\_\_\_\_ cm

b) 10% of £30

= £ \_\_\_\_\_

c) 25% of 44cm

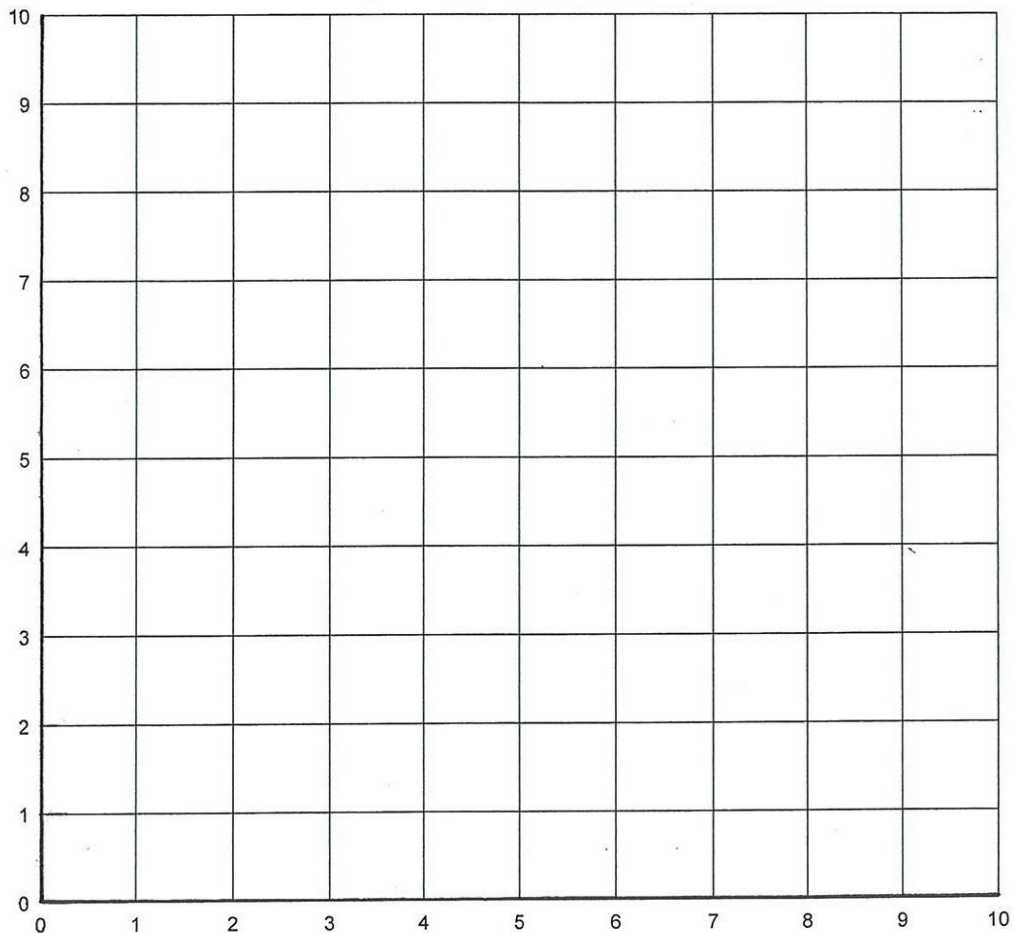
= \_\_\_\_\_ cm

d) 40% of £2

= £ \_\_\_\_\_

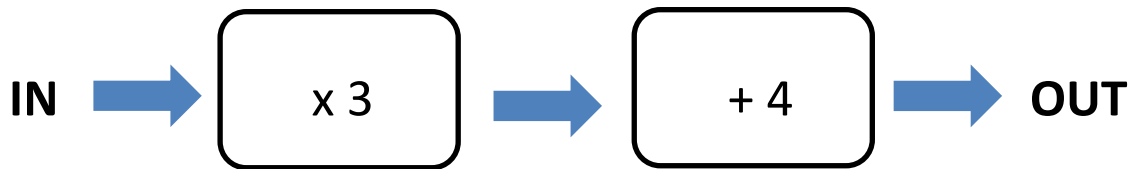
27) Plot the following coordinates and join them up to make a picture:

(5,9) (1,6) (2,6) (2,1) (4,1) (4,3) (6,3) (6,1) (8,1) (8,6) (9,6) (5,9)



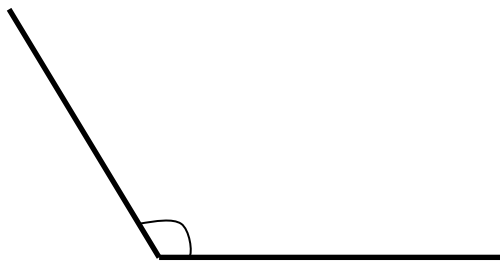


28) Fill in the following table using the number machine:

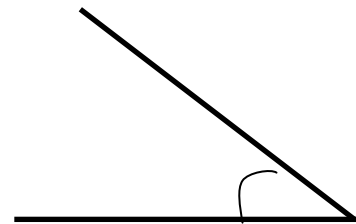


IN	OUT
4	16
10	
7	
	22
	10

29) Measure the following angles with a protractor.



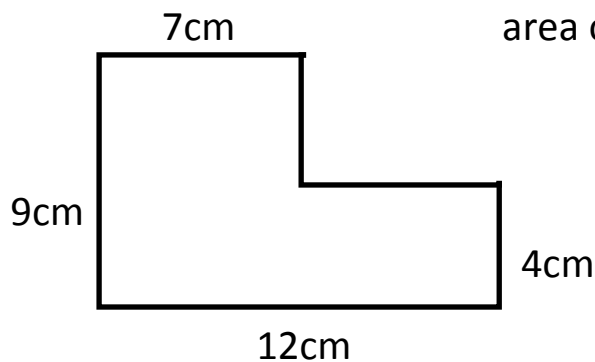
Answer \_\_\_\_\_



Answer \_\_\_\_\_

Find the area and perimeter of the following shapes:

30)



area of shape A = \_\_\_\_\_ cm<sup>2</sup>

B = \_\_\_\_\_ cm<sup>2</sup>

Total = \_\_\_\_\_ cm<sup>2</sup>

perimeter = \_\_\_\_\_

= \_\_\_\_\_ cm

Write in figures:

31) Twenty two thousand, four hundred and seventy six.

\_\_\_\_\_

Remember when writing numbers in figures:

<b>M</b>	Space	100 <b>Th</b>	10 <b>Th</b>	<b>Th</b>	Space	100 <b>H</b>	10 <b>T</b>	<b>U</b>
_____		_____	_____	_____		_____	_____	_____

32) 
$$\begin{array}{r} 7333 \\ + 4216 \\ \hline \\ \hline \end{array}$$

33) 
$$\begin{array}{r} 4168 \\ - 1214 \\ \hline \\ \hline \end{array}$$

34) 
$$\begin{array}{r} 6000 \\ - 4726 \\ \hline \\ \hline \end{array}$$

35) 
$$6 \overline{) 6582}$$

36) 
$$4 \overline{) 4264}$$

37) 
$$\begin{array}{r} 7815 \\ \times 6 \\ \hline \\ \hline \end{array}$$

38) 
$$\begin{array}{r} 1521 \\ \times 48 \\ \hline \\ \hline \\ \hline \end{array}$$

39)  $15 + 1.68 + 12.1 =$

\_\_\_\_\_

\_\_\_\_\_

40) Answer the following:

a)  $56 \times 10 =$  \_\_\_\_\_

d)  $4510 \div 10 =$  \_\_\_\_\_

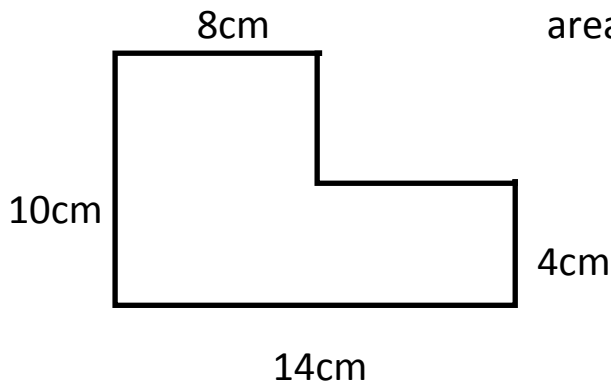
b)  $720 \times 100 =$  \_\_\_\_\_

e)  $80000 \div 1000 =$  \_\_\_\_\_

c)  $24 \times 2000 =$  \_\_\_\_\_

f)  $600 \div 30 =$  \_\_\_\_\_

41) Find the area and perimeter of the following shapes:



area of shape A = \_\_\_\_\_  $\text{cm}^2$

B = \_\_\_\_\_  $\text{cm}^2$

Total = \_\_\_\_\_  $\text{cm}^2$

perimeter = \_\_\_\_\_

= \_\_\_\_\_ cm

42) Simplify to the simplest form

a)  $\frac{16}{20} =$

b)  $\frac{25}{45} =$

c)  $\frac{42}{60} =$

d)  $\frac{11}{44} =$

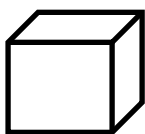
43) Write these times as 24 hour times

a) 2:27 am = \_\_\_\_\_ b) 2:27 pm \_\_\_\_\_

44) List the factors of 20 \_\_\_\_\_ (6)

45) List the first 5 multiples of 6 \_\_\_\_\_

46) Find the volume of a cube that has the sides of 2cm



Volume = \_\_\_\_\_  $\text{cm}^3$

47) Mrs Hotel buys **4** ice-creams costing **75p** each and **3** cokes costing **£1.50** each. Work out the total cost.

£ \_\_\_\_\_

48) What is 10% of £80?

£ \_\_\_\_\_

49) What is 20% of £80?

£ \_\_\_\_\_

50) What is 30% of £80?

£ \_\_\_\_\_

51) What is 25% of £80?

£ \_\_\_\_\_

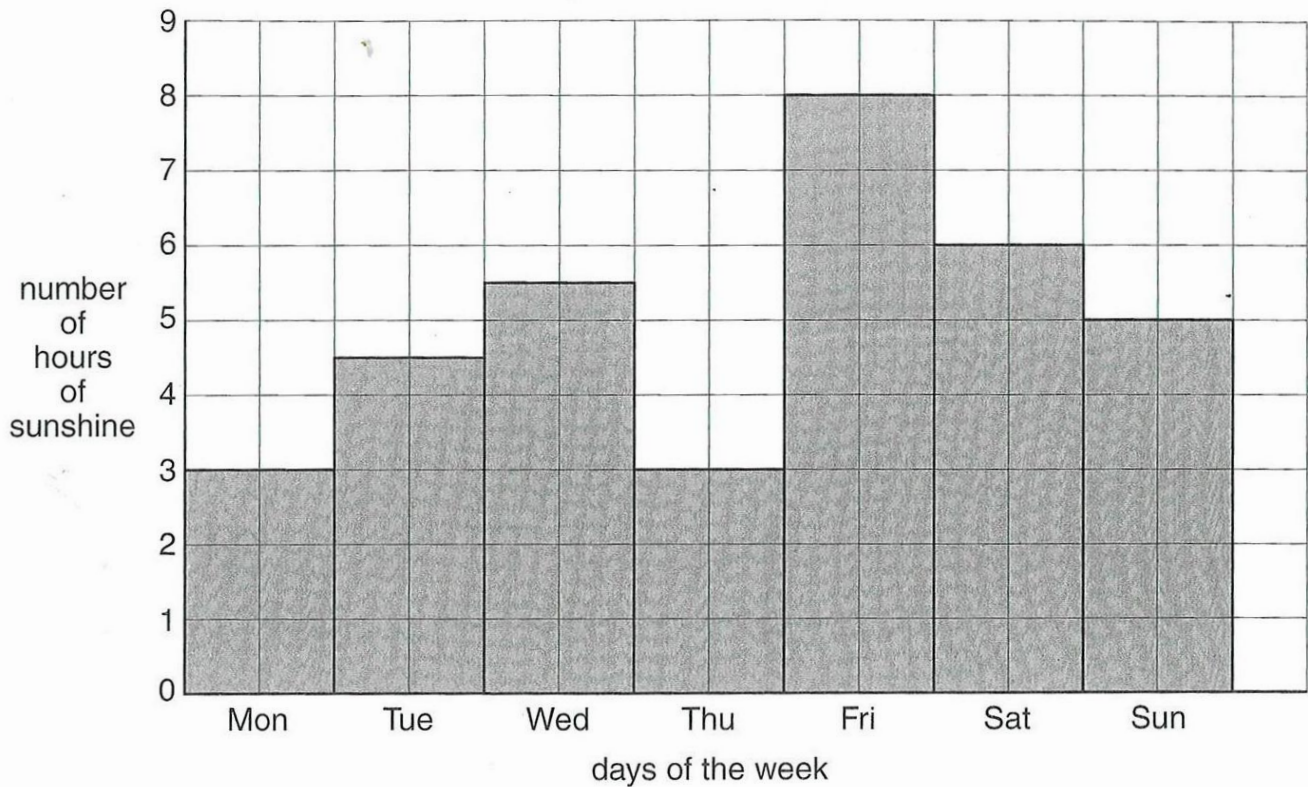
52) What is the mean of the following numbers?  
4 , 3 , 6 , 1 , 8 , 6 , 2 , 9 , 6

53) What is 1 hr 20 mins before 6.20pm

\_\_\_\_\_

\_\_\_\_\_

54) The bar chart shows the number of hours of sunshine, correct to the nearest half hour, on each of the days of a given week.



(i) How many hours of sunshine were there on Monday?

Answer: ..... hours (1)

(ii) For how much longer was it sunny on Friday than on Wednesday?

Answer: ..... hours (2)

(iii) What was the total number of hours of sunshine in the week?

Answer: ..... hours (3)

(iv) What was the mean (average) number of hours of sunshine per day in the week?

Answer: ..... hours (2)

DATA A

- 55) Sam has to catch a bus to go to Kim's house which is in Cliffview.  
Here is part of the bus timetable:

Kirkton	07:35	08:10	08:45
Cowgate	07:50	08:25	09:00
Berryford	08:05	08:40	09:15
Cliffview	08:15	08:50	09:25

Sam has to go from Kirkton to Cliffview.  
All the buses take the same time for the journey.

- (i) How long does Sam's bus journey take?

Answer: ..... minutes (2)

Kim would like Sam to arrive in Cliffview just before 9 o'clock.

- (ii) At what time will Sam's bus arrive at his destination?

Answer: ..... (1)

- (iii) At what time does Sam's bus leave Kirkton?

Answer: ..... (1)

Sam goes home on a bus from Cliffview to Kirkton.  
This bus takes the same time for the journey as the morning bus.  
Sam leaves Cliffview at 16:45

- (iv) At what time should he get to Kirkton?

Answer: ..... (2)

56) Write in figures:

a) Seven million, two hundred and six thousand, four hundred and ninety six. \_\_\_\_\_

b) Seven hundred thousand, two hundred and five. \_\_\_\_\_

$$\begin{array}{r} 57) \quad 7816 \\ + 4215 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8269 \\ - 2173 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6000 \\ - 3471 \\ \hline \\ \hline \end{array}$$

$$5 \overline{) 9165}$$

$$3 \overline{) 7356}$$

$$4 \overline{) 71348}$$

$$\begin{array}{r} 8116 \\ \times 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9411 \\ \times 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4784 \\ \times 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2416 \\ \times 24 \\ \hline \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5187 \\ \times 35 \\ \hline \\ \hline \\ \hline \end{array}$$

$$20 \times 30 = \underline{\hspace{2cm}}$$

$$40 \times 300 = \underline{\hspace{2cm}}$$

$$32 \times 200 = \underline{\hspace{2cm}}$$

58) Write the following numbers in words:

a) 354 \_\_\_\_\_

b) 1 032 \_\_\_\_\_

c) 23 067 \_\_\_\_\_

\_\_\_\_\_

59) What is the value of each of the following underlined digits **in words**:

a) 364 \_\_\_\_\_

b) 14 236 \_\_\_\_\_

c) 2 320 064 \_\_\_\_\_

60) Complete the number sequence below:

a) 23, 37, \_\_\_\_\_, 65, \_\_\_\_\_ 93

b) -2, -4, -6, \_\_\_\_\_, -10, \_\_\_\_\_, \_\_\_\_\_

c) 6, 3, \_\_\_\_\_, -3, \_\_\_\_\_, \_\_\_\_\_, -12

61) Complete the table below so that the fractions, decimals and percentages are equivalent.

Fractions	Decimals	Percentages
$\frac{1}{10}$	0.1	
	0.5	
$\frac{1}{4}$		
$\frac{3}{4}$		75%
	0.6	
	0.2	
$\frac{1}{100}$		



62) Write down any three factors of 24 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

63) Write down any three multiples of 8 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

64) Circle the number which is **not** a multiple of 6:

6    24    3    36    42    54

65) Complete the table below

53	+		=	100
100	—	73	=	
22	+		=	100
100	—	59	=	
67	+		=	100
100	—	83	=	

66) Solve the following problems. You may use the middle box for workings and write you answer in the answer box.

Problem	Workings	Answer
$3.4 + 2.63$		
$4.65 + 0.04$		
$34.98 - 23.75$		
$56.12 - 5.05$		

67) Circle the 2 numbers below which added together make **0.12**

0.04   0.8   0.02   0.08   0.1   0.4

68) Solve the following multiplication and division problems

a)  $34 \times 10 =$  \_\_\_\_\_

f)  $543.09 \times 10 =$  \_\_\_\_\_

b)  $45.6 \times 10 =$  \_\_\_\_\_

g)  $972.95 \div 10 =$  \_\_\_\_\_

c)  $340 \div 10 =$  \_\_\_\_\_

h)  $5.008 \times 10 =$  \_\_\_\_\_

d)  $65.7 \div 10 =$  \_\_\_\_\_

i)  $345.8 \times 1000 =$  \_\_\_\_\_

e)  $56.78 \div 100 =$  \_\_\_\_\_

j)  $15 \div 10 =$  \_\_\_\_\_

69) Solve the following problems by showing all your workings:

a)  $456 - 179$

b)  $£34.76 - £8.98$

c)  $1078 - 786$

d)  $10\,765 - 8\,435$

70) Colour all the 2d shape names in blue coloured pencil and the 3d shape names in red coloured pencil.

cone	heptagon	hexagon	tetrahedron
circle	cube	decagon	nonagon
pentagon	square	sphere	cylinder
cuboid	hemisphere	dodecahedron	rectangle
square based pyramid	triangle	triangular based prism	pentagonal pyramid

71) Choose the correct word that fit in the following sentences:

**equilateral triangle**  
**right angled triangle**

**isosceles triangle**  
**scalene triangle**

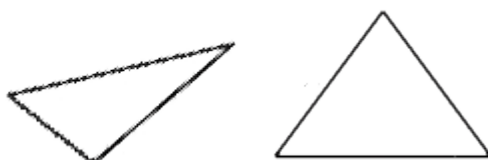
- a) A \_\_\_\_\_ has one angle that is exactly 90 degrees.
- b) \_\_\_\_\_ has no equal sides or angles.
- c) An \_\_\_\_\_ has 3 equal sides and 3 equal angles.
- d) A \_\_\_\_\_ has 2 equal sides and 2 equal angles.

72) Read the following carefully

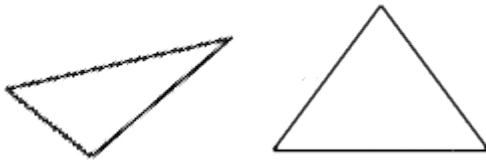
e) Colour in the right triangle:



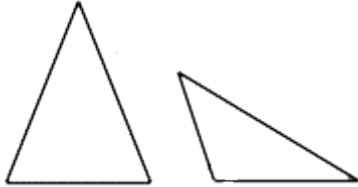
f) Colour in the scalene triangle:



g) Colour in the equilateral triangle:

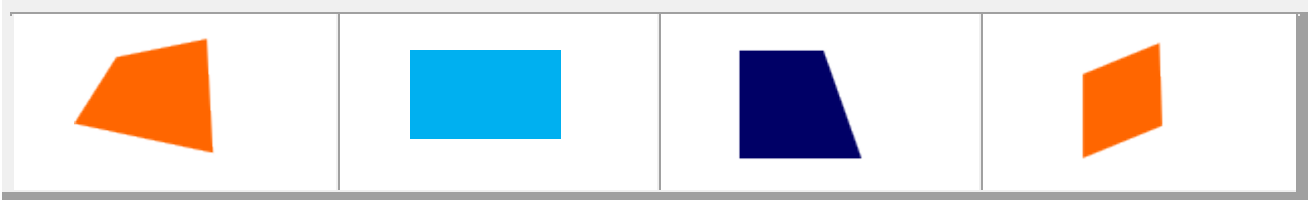


h) Colour in the isosceles triangle:

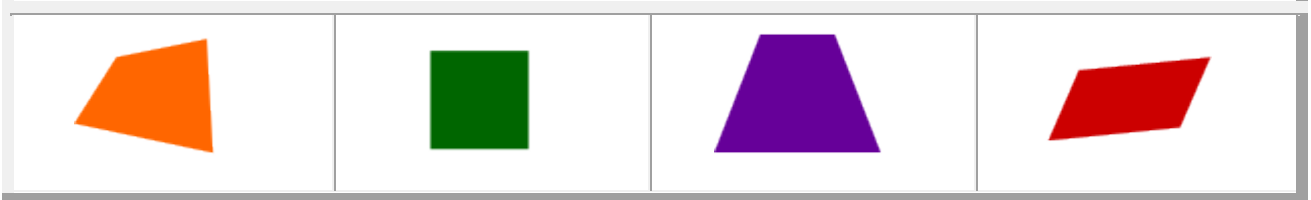


i) Draw a circle around the following quadrilaterals:

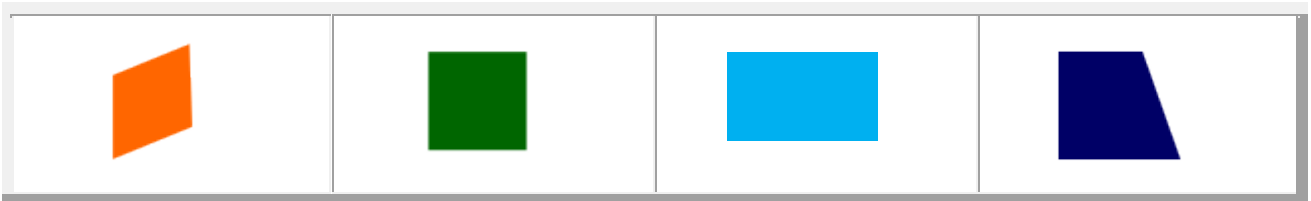
Rhombus



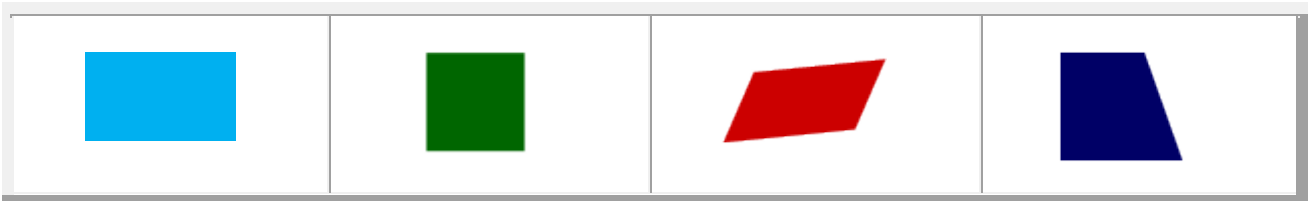
Trapezium



Rectangle



Parallelogram

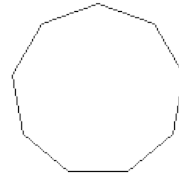


Square

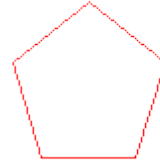


73) Match up the following shapes:

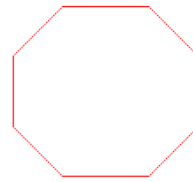
Pentagon



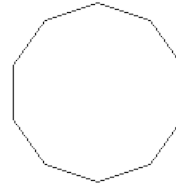
Hexagon



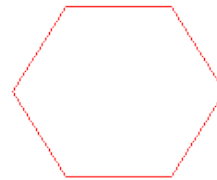
Heptagon



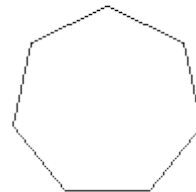
Octagon



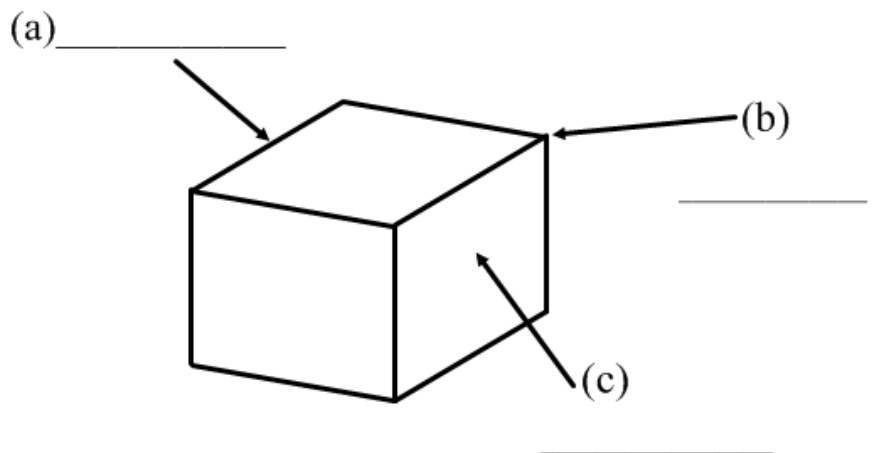
Nonagon



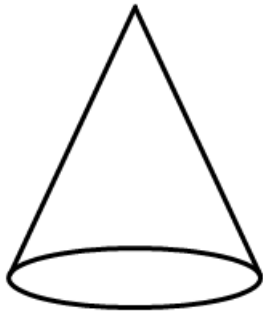
Decagon



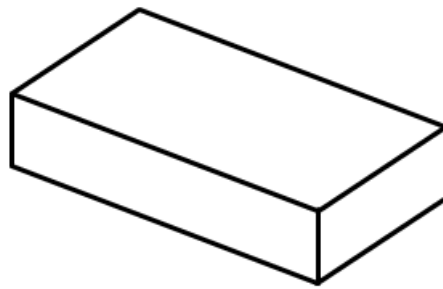
74) Label the 3D shapes



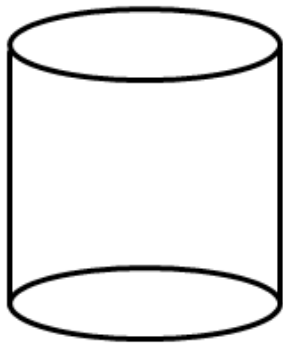
75) Name the 3D shapes



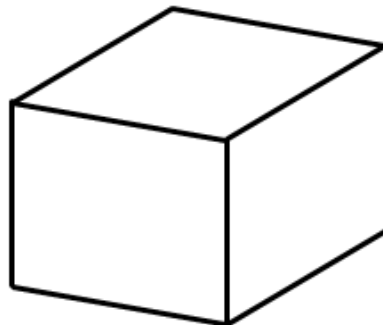
(a) \_\_\_\_\_



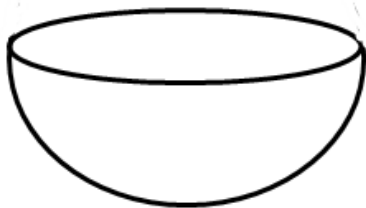
(b) \_\_\_\_\_



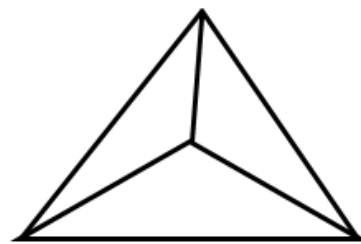
(c) \_\_\_\_\_



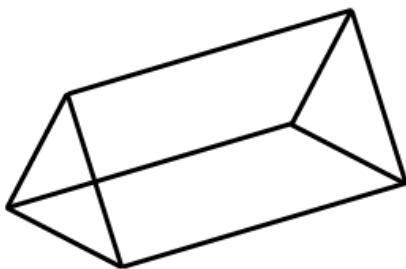
(d) \_\_\_\_\_



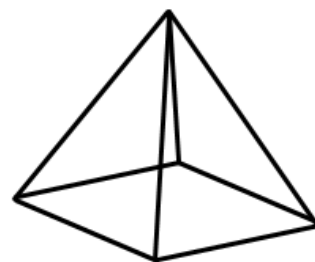
(e) \_\_\_\_\_



(f) \_\_\_\_\_



(g) \_\_\_\_\_



(h) \_\_\_\_\_

76) Answer the following averages questions using these numbers

3      2      8      4      3      12      5  
7      15      3      10      2      4

a) What is the range

Answer: \_\_\_\_\_

b) Find the median

Answer: \_\_\_\_\_

c) What is the mode

Answer: \_\_\_\_\_

d) Find the mean

Answer: \_\_\_\_\_

77) Draw in lines of symmetry in the word below:

# MATHEMATICS

78) Add these numbers

+	0.5	0.6	0.7	0.8
0.7				
0.8				
0.9				
1				

79) Simplify to the simplest form

a)  $\frac{3}{6} =$

b)  $\frac{2}{8} =$

c)  $\frac{9}{12} =$

d)  $\frac{22}{66} =$

e)  $\frac{14}{16} =$

f)  $\frac{12}{20} =$

g)  $\frac{10}{25} =$

h)  $\frac{15}{20} =$

i)  $\frac{20}{25} =$

j)  $\frac{20}{35} =$

k)  $\frac{24}{30} =$

l)  $\frac{18}{24} =$

m)  $\frac{36}{42} =$

n)  $\frac{18}{42} =$

o)  $\frac{14}{28} =$

p)  $\frac{42}{49} =$

q)  $\frac{7}{49} =$

r)  $\frac{35}{49} =$

s)  $\frac{16}{64} =$

t)  $\frac{16}{48} =$

u)  $\frac{8}{64} =$

v)  $\frac{32}{48} =$

w)  $\frac{9}{81} =$

x)  $\frac{27}{63} =$

80) List all the factors of 20: \_\_\_\_\_

List the first five multiples of 4: \_\_\_\_\_



80) Write these times as 24 hour times

a) 10:22pm = \_\_\_\_\_ b) 6:45am \_\_\_\_\_

81) Find:

a) 50% of 74cm

= \_\_\_\_\_ cm

b) 75% of £30

= £ \_\_\_\_\_

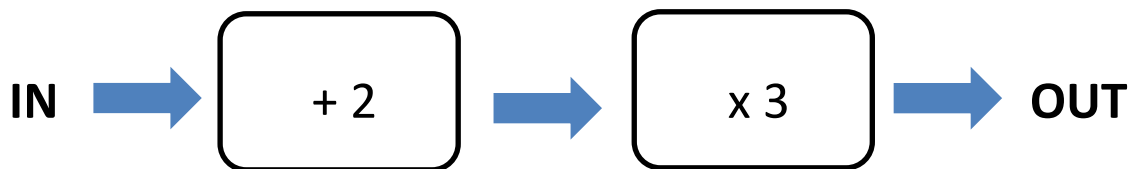
c) 25% of 204cm

= \_\_\_\_\_ cm

d) 10% of £5

= £ \_\_\_\_\_

82) Fill in the following table using the number machine:



IN	OUT
4	18
10	
7	
	21

83) What is 1 hr 40 mins before 8.15pm

---

84) What is 10% of £60?

£ \_\_\_\_\_

85) What is 60% of £60?

£ \_\_\_\_\_

86) What is 40% of £60?

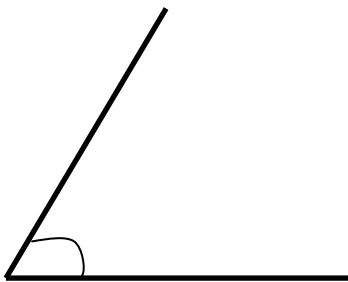
£ \_\_\_\_\_

87) What is the mean of the following numbers?

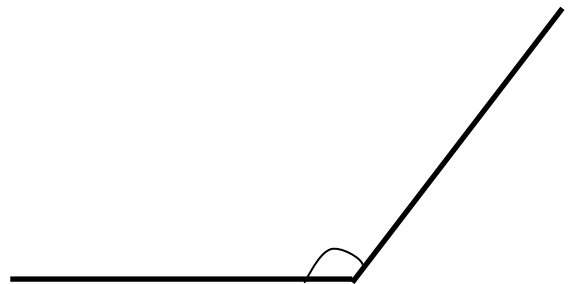
11 9 6 11 8

\_\_\_\_\_

88) Measure the following angles with a protractor.



Answer \_\_\_\_\_



Answer \_\_\_\_\_

89) Complete the number sequence below:

a) 14, 17, \_\_\_\_\_, 23, \_\_\_\_\_ 29

b) -3, -6, -9, \_\_\_\_\_, -15, \_\_\_\_\_, \_\_\_\_\_

c) 21, 19, \_\_\_\_\_, 15, \_\_\_\_\_, \_\_\_\_\_, 9

90) What does BIDMAS stand for?

B \_\_\_\_\_

I \_\_\_\_\_

D \_\_\_\_\_

M \_\_\_\_\_

A \_\_\_\_\_

S \_\_\_\_\_

For the following, ensure you show your step by step workings!

91)  $4 \times ( 2 + 5 \times 2 )$

92)  $7 + ( 3 \times 2 ) - ( 8 \div 2 )$

93)  $( 5 - 4 ) \div 2 + ( 7 \times 2 )$

94)  $( 4 \times 2 ) - ( 6 \div 3 ) + ( 3 \times 2 )$

95)  $( 6 \times 8 ) - 18 \div ( 2 + 4 )$

96)  $5 + ( 2 \times 10 - 5 ) - 6$

97)  $(5 + 3) \times 2 + 10 \div (8 - 3)$

98)  $\sqrt{25} + 2 \times 3$

99)  $\sqrt{16} \times \sqrt{100} + (102 \div 10)$

100)  $\sqrt[3]{8} + \sqrt{36} \div 22$

101) Construct a triangle with sides 11cm, 3cm and 9cm

102) Construct a triangle with side AB 8cm, angle ABC  $34^\circ$  and angle BAC  $55^\circ$ .

103) Construct a triangle with side 9cm, angle  $100^\circ$  and side 10cm.

104) Construct a triangle with sides 3cm, 6cm and 7cm.

Draw the following triangles accurately, some are only sketches!

Remember to work out what information you already have: (over page)

