DOWNSEND SCHOOL

YEAR 5

EASTER REVISION BOOKLET

This booklet is an optional revision aid for the Summer Exam

Name: ____________________________

Maths Teacher: ____________________
<table>
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<th>Junior Maths Bk 3</th>
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<td></td>
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<td>Using a Protractor</td>
<td>Chapter 16</td>
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<td>Angles Rules</td>
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<tr>
<td>Angles on straight lines, around a point, triangles, quadrilaterals, vertically opposite</td>
<td>Chapter 16</td>
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<td>Probability</td>
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<tr>
<td>Construction of Triangles</td>
<td>-</td>
</tr>
</tbody>
</table>

*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.*
Answer the following questions:

1) Draw in the lines of symmetry in the following shapes:
   a) 
   b) 
   c) 
   d) 
   e) 
   f) 

2) List the 1st five prime numbers: _______________________________
   List all the factors of 10: _______________________________
   List the first five multiples of 5: _______________________________

3) Fill in the table square

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>5</th>
<th>9</th>
<th>3</th>
<th>7</th>
<th>10</th>
<th>2</th>
<th>8</th>
<th>6</th>
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<tbody>
<tr>
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<td></td>
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</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>M</th>
<th>Space</th>
<th>100</th>
<th>10</th>
<th>Th</th>
<th>Th</th>
<th>Th</th>
<th>Space</th>
<th>100</th>
<th>10</th>
<th>T</th>
<th>U</th>
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<tbody>
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<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

6) 7 1 2 3 + 4 1 8 6
7) 4 0 0 0 – 3 1 2 7
8) 2 1 8 6 – 1 2 1 4

10) 4 6 6 8
divisor: 4

11) 3 1 6 8
divisor: 3

12) 1 7 1 6 x 4 2
13) 13 + 7.02 + 14.3 = __________

14) Answer the following:
   a) 58 x 10 = __________
   b) 680 x 100 = __________
   c) 42 x 2000 = __________
   d) 8910 ÷ 10 = __________
e) $50000 \div 1000 = \underline{50}$

f) $800 \div 20 = \underline{40}$

Find the area and perimeter of the following shapes:

15) \[ \begin{array}{c}
\text{area} \\
6 \text{m} \\
4 \text{m} \\
6 \text{m}
\end{array} \]

\[ \begin{array}{c}
\text{area} \\
= \\
= \underline{24} \text{m}^2
\end{array} \]

\[ \begin{array}{c}
\text{perimeter} \\
= \\
= \underline{20} \text{m}
\end{array} \]

16) \[ \begin{array}{c}
\text{area of shape A} = \\
3 \text{cm} \\
5 \text{cm}
\end{array} \]

\[ \begin{array}{c}
\text{area of shape A} = \\
B = \\
= \underline{15} \text{cm}^2
\end{array} \]

\[ \begin{array}{c}
\text{area of shape B} = \\
3 \text{cm} \\
8 \text{cm}
\end{array} \]

\[ \begin{array}{c}
\text{area of shape B} = \\
B = \\
= \underline{21} \text{cm}^2
\end{array} \]

Total \[ \begin{array}{c}
\text{Total} = \\
= \underline{36} \text{cm}^2
\end{array} \]

\[ \begin{array}{c}
\text{perimeter} = \\
= \\
= \underline{22} \text{cm}
\end{array} \]

17) Simplify to the simplest form

a) $\frac{3}{6} = \underline{\frac{1}{2}}$

b) $\frac{15}{20} = \underline{\frac{3}{4}}$

c) $\frac{25}{30} = \underline{\frac{5}{6}}$

d) $\frac{11}{33} = \underline{\frac{1}{3}}$

18) Write these times as 24 hour times

a) 6:17pm = \underline{6:17} \text{pm}

b) 4:26am = \underline{4:26} \text{am}

19) List the factors of 30 \underline{1, 2, 3, 5, 6, 10, 15, 30} (8)

20) List the first 5 multiples of 12 \underline{12, 24, 36, 48, 60}
21) Find the volume of a cube that has the sides of 3cm

Volume = _______cm³

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:

\[ \text{IN} \xrightarrow{\times 3} \text{OUT} \xrightarrow{+ 4} \text{OUT} \]

<table>
<thead>
<tr>
<th>IN</th>
<th>OUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>16</td>
</tr>
<tr>
<td>10</td>
<td></td>
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<tr>
<td>7</td>
<td></td>
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<tr>
<td></td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

29) Measure the following angles with a protractor.

Answer ___________  Answer ___________

Find the area and perimeter of the following shapes:

30) area of shape A = \_ \_ \_ \_ \_ \_ cm²
    B = \_ \_ \_ \_ \_ \_ cm²
    Total = \_ \_ \_ \_ \_ \_ cm²

perimeter = \_ \_ \_ \_ \_ cm
Write in figures:

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

Remember when writing numbers in figures:

<table>
<thead>
<tr>
<th>M</th>
<th>Space</th>
<th>100</th>
<th>10</th>
<th>Th</th>
<th>Th</th>
<th>Th</th>
<th>Space</th>
<th>100</th>
<th>10</th>
<th>Th</th>
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</tr>
</tbody>
</table>

32) \[ 7333 + 4216 \]
33) \[ 4168 - 1214 \]
34) \[ 6000 - 4726 \]
35) \[ 6582 \]
36) \[ 4264 \]
37) \[ 7815 \times 6 \]
38) \[ 1521 \times 48 \]
39) \[ 15 + 1.68 + 12.1 = \]
40) Answer the following:

   a) \[ 56 \times 10 = \]
   b) \[ 720 \times 100 = \]
   c) \[ 24 \times 2000 = \]
   d) \[ 4510 \div 10 = \]
   e) \[ 80000 \div 1000 = \]
   f) \[ 600 \div 30 = \]
41) Find the area and perimeter of the following shapes:

<table>
<thead>
<tr>
<th>Shape</th>
<th>Side 1</th>
<th>Side 2</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>8cm</td>
<td></td>
<td>cm²</td>
</tr>
<tr>
<td>B</td>
<td>10cm</td>
<td>4cm</td>
<td>cm²</td>
</tr>
<tr>
<td></td>
<td>14cm</td>
<td></td>
<td>cm²</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>cm²</td>
</tr>
</tbody>
</table>

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 = 02:27

b) 2:27 pm = 14:27

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 = cm³
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)
55) Sam has to catch a bus to go to Kim’s house which is in Cliffview. Here is part of the bus timetable:

<table>
<thead>
<tr>
<th>Location</th>
<th>Time 07:35</th>
<th>Time 08:10</th>
<th>Time 08:45</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kirkton</td>
<td>07:35</td>
<td>08:10</td>
<td>08:45</td>
</tr>
<tr>
<td>Cowgate</td>
<td>07:50</td>
<td>08:25</td>
<td>09:00</td>
</tr>
<tr>
<td>Berryford</td>
<td>08:05</td>
<td>08:40</td>
<td>09:15</td>
</tr>
<tr>
<td>Cliffview</td>
<td>08:15</td>
<td>08:50</td>
<td>09:25</td>
</tr>
</tbody>
</table>

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.________________________

57)  \[
\begin{array}{ccc}
7&8&1\ 6 \\
+&4&2&1\ 5 \\
\hline
8&2&6\ 9 \\
\end{array}
\]

\[
\begin{array}{ccc}
8&2&6\ 9 \\
-&2&1&7\ 3 \\
\hline
6&0&0\ 0 \\
\end{array}
\]

\[
\begin{array}{ccc}
7&8&6 \\
\times&2&4 \\
\hline
1&8&1\ 6 \\
\end{array}
\]

\[
\begin{array}{ccc}
9&4&1\ 1 \\
\times&6 & \\
\hline
5&7&8\ 4 \\
\end{array}
\]

\[
\begin{array}{ccc}
2&0 \times 30 = \_
\end{array}
\]

\[
\begin{array}{ccc}
2&4&1\ 6 \\
\times&2&4 \ \\
\hline
5&1&8\ 7 \\
\times&3&5 \\
\hline
4&0 \times 300 = \_
\end{array}
\]

\[
\begin{array}{ccc}
3&2 \times 200 = \_
\end{array}
\]
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.

<table>
<thead>
<tr>
<th>Fractions</th>
<th>Decimals</th>
<th>Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>$\frac{1}{10}$</td>
<td>0.1</td>
<td></td>
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<tr>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>$\frac{1}{4}$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$\frac{3}{4}$</td>
<td></td>
<td>75%</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>0.6</td>
<td></td>
</tr>
<tr>
<td>$\frac{1}{100}$</td>
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</tbody>
</table>
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

<table>
<thead>
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<th></th>
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<th>=</th>
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<tbody>
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<td>=</td>
<td>100</td>
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<tr>
<td>100</td>
<td>—</td>
<td>73</td>
<td>=</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>+</td>
<td></td>
<td>=</td>
<td>100</td>
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<tr>
<td>100</td>
<td>—</td>
<td>59</td>
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<td></td>
</tr>
<tr>
<td>67</td>
<td>+</td>
<td></td>
<td>=</td>
<td>100</td>
</tr>
<tr>
<td>100</td>
<td>—</td>
<td>83</td>
<td>=</td>
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</table>

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

<table>
<thead>
<tr>
<th>Problem</th>
<th>Workings</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.4 + 2.63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.65 + 0.04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34.98 — 23.75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>56.12 — 5.05</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 x 10 = ________
   b) 45.6 x 10 = ________
   c) 340 ÷ 10 = ________
   d) 65.7 ÷ 10 = ________
   e) 56.78 ÷ 100 = ________
   f) 543.09 x 10 = ________
   g) 972.95 ÷ 10 = ________
   h) 5.008 x 10 = ________
   i) 345.8 x 1000 = ________
   j) 15 ÷ 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.

<table>
<thead>
<tr>
<th>cone</th>
<th>heptagon</th>
<th>hexagon</th>
<th>tetrahedron</th>
</tr>
</thead>
<tbody>
<tr>
<td>circle</td>
<td>cube</td>
<td>decagon</td>
<td>nonagon</td>
</tr>
<tr>
<td>pentagon</td>
<td>square</td>
<td>sphere</td>
<td>cylinder</td>
</tr>
<tr>
<td>cuboid</td>
<td>hemisphere</td>
<td>dodecahedron</td>
<td>rectangle</td>
</tr>
<tr>
<td>square based pyramid</td>
<td>triangle</td>
<td>triangular based prism</td>
<td>pentagonal pyramid</td>
</tr>
</tbody>
</table>

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:

![Equilateral Triangle](image)

h) Colour in the isosceles triangle:

![Isosceles Triangle](image)

i) Draw a circle around the following quadrilaterals:

<table>
<thead>
<tr>
<th>Rhombus</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Rhombus" /></td>
</tr>
<tr>
<td><img src="image" alt="Rhombus" /></td>
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<tr>
<td><img src="image" alt="Rhombus" /></td>
</tr>
<tr>
<td><img src="image" alt="Rhombus" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trapezium</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Trapezium" /></td>
</tr>
<tr>
<td><img src="image" alt="Trapezium" /></td>
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<tr>
<td><img src="image" alt="Trapezium" /></td>
</tr>
<tr>
<td><img src="image" alt="Trapezium" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rectangle</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Rectangle" /></td>
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<tr>
<td><img src="image" alt="Rectangle" /></td>
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<tr>
<td><img src="image" alt="Rectangle" /></td>
</tr>
<tr>
<td><img src="image" alt="Rectangle" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parallelogram</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Parallelogram" /></td>
</tr>
<tr>
<td><img src="image" alt="Parallelogram" /></td>
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<td><img src="image" alt="Parallelogram" /></td>
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<tr>
<td><img src="image" alt="Parallelogram" /></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Square</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Square" /></td>
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<tr>
<td><img src="image" alt="Square" /></td>
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<td><img src="image" alt="Square" /></td>
</tr>
<tr>
<td><img src="image" alt="Square" /></td>
</tr>
</tbody>
</table>
73) Match up the following shapes:

- Pentagon
- Hexagon
- Heptagon
- Octagon
- Nonagon
- Decagon

74) Label the 3D shapes

(a) ________
(b) ________
(c) ________
75) Name the 3D shapes

(a) ___________

(b) ___________

(c) ___________

(d) ___________

(e) ___________

(f) ___________

(g) ___________

(h) ___________
76) Answer the following averages questions using these numbers

\[
\begin{array}{cccccc}
3 & 2 & 8 & 4 & 3 & 12 & 5 \\
7 & 15 & 3 & 10 & 2 & 4 \\
\end{array}
\]

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

<table>
<thead>
<tr>
<th>+</th>
<th>0.5</th>
<th>0.6</th>
<th>0.7</th>
<th>0.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

   = ______cm
   = £_______

   c) 25% of 204cm
   d) 10% of £5

   = ______cm
   = £_______

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

<table>
<thead>
<tr>
<th>IN</th>
<th>OUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>18</td>
</tr>
<tr>
<td>10</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>21</td>
</tr>
</tbody>
</table>

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

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

102) Construct a triangle with side AB 8cm, angle ABC 34° and angle BAC 55°.

103) Construct a triangle with side 9cm, angle 100° 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)