**Introductory Block Revision Checklist**

Checklist refers to Revision Sheet. Pages referred to are from TeeJay Level E Homework (Pink Booklet)

|  |  |
| --- | --- |
| **TOPIC** | **Revision Questions** |
| Place Value | * P6 Revision Exercise q1, 2
* Sheet q1,2,
 |
| Basic operations +,-,x,÷ | * Sheet q3
 |
| Identifying lines of symmetry in a shape/ completing diagrams to make them symmetrical (vertical, horizontal, diagonal axes of symmetry) | * P29 Revision Exercise q1,2
 |
| Integers (+ and – only, including double negative) | * P21 Revision Exercise q1, 2 and 3
* Sheet q4
 |
| Cartesian Coordinates in 4 quadrants | * P21 Revision Exercise q4
 |
| Rounding to nearest whole number, 10, 100, 1000 | * Sheet q5
 |
| Rounding to 1, 2, 3 and more decimal places | * Sheet q6
 |
| Squares, square roots, cubes, cube roots | * Sheet q7 to 10
 |
| Basics of algebra  | * P34 Revision Exercise q1 and 3
* Sheet q11
 |
| BODMAS | * Sheet q12
 |
| x and ÷ by multiples of 10/ 100/ 1000  | * P6 Revision Exercise q3
 |
| Long Multiplication | * Sheet q13
 |
| Drawing bar graphs and line graphs using supplied data | * P39 Revision Exercise q4a,b,c only
* Sheet q14, 15
 |
| Number problems in context | * P6 Revision Exercise q4
 |
| Rounding in context (worded problems) | * Sheet q16 to 19
 |
| Evaluating expressions involving +/- integers and BODMAS | * P34 Revision Exercise q3
 |
| Simplifying fractions and equivalent fractions | * P26 Revision Exercise q1,2
 |
| Finding a fraction of a quantity i.e ¾ of 8192 | * P26 Revision Exercise q3
 |
| Problem solving type questions | * Sheet q20, 21
 |

Introductory Block Test Revision

(1) What does the 3 represent in the following numbers:

1. 254,387 (b) 634,245 (c) 7,839 (d) 2,365,276 (e) 43,980 ?

(2) Put the following sets of numbers in order, smallest first:

(a) 4,968 3,876 4,986 3,786 4,998 4,989

(b) 301,000 298,797 300,650 299,875 290,999 300,088

(3) Find the answers to the following calculations:

1. 30784 + 2987 (b) 3173 + 85778 (c) 4245 – 2676 (d) 304875 - 79067
2. 3086 x 7 (f) 23894 x 8 (g) 4383 ÷ 9 (h) 38068 ÷ 5
3. $\frac{937}{4}$ (j) $\frac{8307}{6}$

(4) Find the answers to the following calculations:

 (a) 8 - (-5) (b) 3 - (-12) (c) -7 – (-9) (d) -4 – (-3) (e) -5 – (-2) + (-4)

(5) Round each of the following numbers to (i) the nearest whole number (ii) the nearest ten (iii) the nearest hundred (iv) the nearest thousand

 (a) 4289·379 (b) 6982·5 (c) 29639·50 (d) 45763·499 (e) 3925·09

(6) Round each of these numbers to (i) one decimal place (ii) two decimal places (iii) three decimal places

 (a) 3·9372 (b) 17·2836 (c) 32·9483 (d) 302·9801 (e) 29·9999

(7) Find the squares of

(a) 3 (b) 7 (c) 9 (d) 10

(8) Find (a) the square root of 36 (b) the square root of 25 (c) $\sqrt{81}$ (d) $\sqrt{9}$

(9) Find the cubes of

 (a) 1 (b) 5 (c) 7 (d) 10

(10) Find (a) the cube root of 8 (b) the cube root of 27 (c) $\sqrt[3]{1}$ (d) $\sqrt[3]{216}$

(11) Simplify

 (a) 3 x **y** (b) ***d***x 4 x 5 (c) 2 x ***t*** x 8 (d) ***m*** x 3 + 2

 (e) ***y*** x ***y*** (f) ***t*** x ***2*** x ***t*** (g) 2 x ***c*** x 4 – 3***c*** (h) ***d*** + 3***d*** -7***d***

 (i) 3***m*** + 7***y*** + 5 + 2***m*** – 6**y**  (j) 4***k*** + 7***t*** – 9***k*** -2***t*** (k) 13***e*** – 4 + 3***g*** + 7***e*** + 1

(12) Find the answers to the following.

 (a) 7 + 5 x 4 (b) (6 – 2) x 5 (c) 8- 32 (d) ( 32 – 1 x 4)2

 (e) 12 – 2 x 5 (f) 10 – 3 x 5 (g) $\sqrt{4}$ + 5 (h) 24 – 8 ÷ 2

(13) Calculate the following:

 (a) 324 x 63 (b) 87 x 965 (c) 37 x 6274

(14) During August pupils in Cumbrae House were asked about how they usually travelled to school. The results are shown below:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Method of travel** | Walk | Car | Cycle | Bus | Train | Other |
| **Number of pupils** | 17 | 8 | 2 | 9 | 12 | 1 |

 Draw a bar chart to represent the data.

(15) A shoe shop recorded the number of pairs of trainers it sold every day during a week in September. The results are displayed below.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Day of Week** | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
| **Number of Pairs** | 2 | 5 | 4 | 10 | 9 | 17 | 12 |

 Draw a line graph to show the information above.

(16) How many full boxes of teacakes can be made up from 59 teacakes if each box holds 6 teacakes?

(17) Pork loin chops are sold in packs of 3. How many packs can be made up from 22 loin chops?

(18) Peter has calculated that he needs 37 litres for a painting job. How many tins, each containing 5 litres, should he buy?

(19) Twenty five people are on an island. What is the smallest number of crossings that a boat holding 6 people would have to make to get everyone off the island?

(20) Copy and complete these magic squares

 (a) (b)

|  |  |  |
| --- | --- | --- |
|  8 |  | 6 |
|  |  | 7 |
|   | 9 | 2 |

|  |  |  |
| --- | --- | --- |
|  2 | 9 |  |
|  | 5 |  |
|   |  | 8 |

(21) Find the value of the missing letters in the calculations below

 (a) (b)

 3 0 7 C - D 9 4 2 7 7 8

3 2 7 A + 2 B 9 3 5 2 7