|  |  |
| --- | --- |
| My score: | |
| Developing | (0-9) |
| Secure | (10-18) |
| Expanding | (19-26) |

Name:

Form:

Submission date:

**Number homework**

**Section A - Multiplication and Division**

1. Dave is moving house and he has 14 boxes of CDs to move. Each box contains 22 CDs. How CDs does Dave have in total.

…………………………………………………………………………………………………..

(2)

1. Work out     272 × 32

      ..............................................................................................................................................

(3)

1. A train holds 360 passengers. If the train has 9 carriages how many people go in each carriage?

…………………………………………………………………………………………………..

(2)

1. At a petrol station the storage tank under a petrol pump contains 750 litres of petrol. How many 25 litre petrol tanks can it fill?

…………………………………………………………………………………………………..

(2)

1. Mrs Adams bought cinema tickets for 3 adults and 3 children.

An adult ticket costs £8

Mrs Adams paid a total of £30

Work out the cost of a child tickets bought by Mrs Adams.

...........................................................

(2)

**Section B - Negative Numbers**

1. Finish this number line:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

-9 -6 0 6 9

(1)

1. Work out:

-12 + 22

      ..............................................................................................................................................

(1)

1. Work out**:**

-9 – 9

      ..............................................................................................................................................

(1)

1. Work out 6 + −18

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(1)

1. Work out −12 - −9

...........................................................

(1)

1. Work out       –7 × 3

...........................................................

(1)

1. Work out       66 ÷ –11

...........................................................

(1)

**Section C - BIDMAS**

1. Add brackets ( ) to make this statement correct.

15 − 3 × 3 + 2 = 0

(1)

1. Michael writes down 3 different factors of 24  
   He adds the 3 factors together.  
   He gets a number greater than 10 but less than 20  
   What 3 factors could Michael have written down?

      ..............................................................................................................................................

(3)

1. Find the common factors of the following numbers:

a) 32 and 50

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(1)

b) 15 and 25

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(1)



(a) Find the value of 122

. . . . . . . . . . . . . . . . . . . . . .

(1)

(b) Find the square root of 81

. . . . . . . . . . . . . . . . . . . . . .

(1)