

Maths Homework



Set: Wednesday 31st January Due in: Monday 5th February

Mrs Guy's group

This week we have been revisiting multiplication and division and deciding on the most efficient method to solve problems.

To support our learning this week, we would like the children to complete the activities overleaf.

Our rock star times tables focus for next week will be the 6, 7 and 9 times tables.

Parent feedback

Common factors

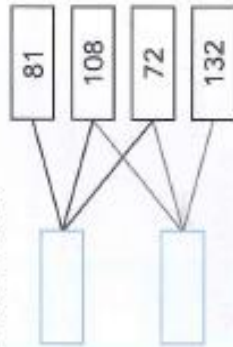
To achieve 100+ you need to:

- ★ find all the factor pairs of a number
- ★ solve problems involving multiplication and division using your knowledge of factors.

1 List all the factor pairs of 48 that are also factors of 56

 (1 mark)

2 Fill in the two missing factors so that they match the multiples shown here.



3 Complete this sentence.

132 and 36 both share the factors 1; 2; ; ; ; and 12

 (1 mark)

4 Ben arranges his 120 counters into equal groups.

Shazia also arranges her 144 counters into equal groups.

Tick (✓) the number of equal groups that both children can make.

4 10 8 6 9

 (1 mark)

5 Jade finds all the factors of 280

Write all the factors of 280 that are also multiples of 10

 (1 mark)

! Top tip

- Notice that question 5, and others like it, combine both multiples and factors.

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Common multiples

To achieve 100+ you need to:

- ★ identify common multiples.

1 Nina chooses a common multiple of 8 and 12. It is **greater than 150 but less than 200**.

What number could Nina have chosen?

 (1 mark)

2 What is the **smallest** number that can be placed in the shaded circle?


 (1 mark)

3 What is the first number **greater than 300** that can be placed in the shaded circle?


 (1 mark)

4 Tom can arrange his cars in groups of 9 with none left over. He can also arrange his cars in groups of 12 with none left over.

 (1 mark)

Circle the total number of cars that Tom **cannot** have.

108 720 909 540 480

| Length | Price |
|--------|-------|
| 500 mm | £3.65 |
| 840 mm | £4.95 |
| 900 mm | £5.69 |

 (2 marks)

Emily buys **two** planks of wood of the **same** length.

She cuts one into seven equal pieces. She cuts the other into six equal pieces.

All her pieces are a **multiple of 10 mm**. No wood is left over.

How much change does she receive from a £20 note? £

! Top tip

- A common multiple is found in two or more multiplication tables.

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