Name: _____

ASM Tuition Academy

HCF, LCM and Prime Factors

Instructions:

* Use blank ink or ball point pen.
* Answers all Questions
* Answers the Questions in the space provided
* Diagrams are not accurately drawn, unless otherwise indicated
* you must show all your working out

Information:

* the mark for each questions are shown in brackets

use this as a guide as to how much time to spend on each question

Advise:

* Read each question carefully before you start to answer it
* Keep an eye on the time
* Try to answer every question
* Check your answers if you have time at the end

1. **Express 30 as a product of its prime factor.**

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2. **Express 120 as a product of its prime factor.**

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3. **Write 16 as a product of its prime factor.**

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4. **Express 150 as a product of its prime factor**
   Give your answer in index form.

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5. **Write 260 as a product of its prime factor.**
   Give your answer in index form.

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6. **Write 40 as a product of its prime factor.**

   Find the lowest common factor of 40 and 50.

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7. **A number is written as a product of its prime factor as $3\times2^2\times5$**
   Work out the number.

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8. **Find the LCM and HCF of 35 and 45.**

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9. Write 20 as a product of its prime factor
Find the HCF of 20 and 25.

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10. Write each of the following as the product prime factor is index form.
i) 80 ii) 125 iii) 350

_____ _____ _____

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11. What is the LCM and HCF of 28 and 78?

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