



Unit 1

Name: _____

Lesson 1.4

Grade 6A

Date: _____

Highest Common Factor

Worksheet (2)

Objective(s): Understand highest common factor (numbers less than 100)

Question one.

(a) List all the factors of 10 _____.

(b) List all the factors of 15 _____.

(c) Write down all the common factors of 10 and 15. _____.

Question two

(a) List all the factors of 12 _____.

(b) List all the factors of 18 _____.

(c) Write down all the common factors of 12 and 18. _____.

Question three: Write down all the common factors of each of these pairs of numbers.

(a) 15 and 20

Common factors: _____.

(b) 16 and 24

Common factors: _____.

(c) 21 and 27

Common factors: _____.

Question four

(a) List all the factors of 14 _____.

(b) List all the factors of 21 _____.

(c) Find the highest common factor (HCF) of 14 and 21. _____.

Question five: Find the highest common factor (HCF) of each of these pairs of numbers.

(a) 4 and 14

Factors of 4: _____

Factors of 14: _____

HCF: _____.

(b) 16 and 28

Factors of 16: _____

Factors of 28: _____

HCF: _____.

Question Six: Find the highest common factor (HCF) of each of these sets of numbers.

(a) 12, 6 and 15

Factors of 12: _____

Factors of 6: _____

Factors of 15: _____

HCF: _____.

(b) 9, 36 and 45

Factors of 9: _____

Factors of 36: _____

Factors of 45: _____

HCF: _____.

Question seven: Martin says that 6 is a common factor of 42, 36 and 50. Is he correct?

Question eight: Sam has completed his math's homework. Can you spot any mistakes?

Find the highest common factor of 18 and 36

Factors of 18: 2, 3, 6, 9

Factors of 36: 2, 3, 4, 6, 9, 12, 18

HCF = 9