

5.1

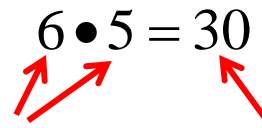
FACTORING INTEGERS

&

5.2

DIVIDING MONOMIALS

REVIEW

$$6 \bullet 5 = 30$$


- 1) List all the factors of 40
- 2) List all the factor pairs of 36

REVIEW

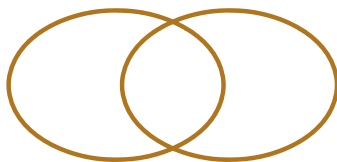
- 3) Prime factorize 120
120

REVIEW

- 4) Find the GCF of 80 and 120

REVIEW

- 5) Find the GCF of 135 and 90



REVIEW

- 6) Simplify the following

a) $\frac{36}{45}$

b) $\frac{-64}{96}$

Dividing Monomials

Simplify

$$7) \frac{x^5}{x^3}$$

Dividing Monomials

Simplify

$$8) \frac{n^3}{n^7}$$

Dividing Monomials

Simplify

$$9) \frac{a^2}{a^2}$$

Practice

Simplify

$$10) \frac{x^9}{x^5}$$

$$11) \frac{x^3}{x^8}$$

$$12) \frac{x^6}{x^6}$$

$$13) \frac{x^9}{x^{16}}$$

$$14) \frac{x^{14}}{x^{14}}$$

$$15) \frac{x^{17}}{x^8}$$

Dividing Monomials

Simplify

$$16) \frac{15a^7}{20a^2}$$

Dividing Monomials

Simplify

$$17) \frac{42xy^3}{24y^5}$$

Dividing Monomials

Simplify

$$18) \frac{35x^3yz^6}{56x^5yz}$$

Dividing Monomials

Simplify

$$19) \frac{(4n)^2}{(2n)^3}$$

Dividing Monomials

Find the missing factor

$$20) -35x^3y^5 = (7x^2y)(?)$$

GCF of Monomials

$$21) 15x^2y, 20x^3$$

GCF of Monomials

$$22) 15x^2y, 20x^3$$

- Find the GCF of the coefficients
- Find the smaller power of common variables
- Combine these

GCF of Monomials

$$23) 72x^3yz^3, 120x^2z^5$$