

Simultaneous Simultaneous Equations

EC 1

Rang 1 agus Rang 2

Faigh luach gach siombail agus an ‘?’

Tomhas 1

$$\text{Heart} + \text{Heart} = 8$$

$$\text{Sailboat} + \text{Heart} = 7$$

$$\text{Sailboat} + \text{Airplane} = 5$$

$$\text{Airplane} + \text{Heart} = ?$$

Tomhas 2

$$\text{Pig} + \text{Pig} = 2$$

$$\text{Horse} + \text{Pig} = 4$$

$$\text{Bone} + \text{Horse} = 7$$

$$\text{Bone} + \text{Pig} = ?$$

Tomhas 3

$$\text{Classical Building} + \text{Classical Building} = 2$$

$$\text{Classical Building} + \text{Windmill} = 6$$

$$\text{Windmill} + \text{Briefcase} = 8$$

$$\text{Classical Building} + \text{Briefcase} = ?$$

Is féidir leat an láthair an corr amach ceann?

Faigh luach gach siombail agus an ‘?’

Tomhas 4

$$\text{Drum} + \text{Drum} = 10$$

$$\text{Drum} + \text{Fish} = 7$$

$$\text{Fish} + \text{Guitar} = 6$$

$$\text{Drum} + \text{Guitar} = ?$$

Tomhas 5

$$\text{Dress} + \text{Dress} = 4$$

$$\text{Dress} + \text{Sweater} = 3$$

$$\text{Sweater} + \text{Sweater} = ?$$

$$\text{Dress} + \text{Crab} = 5$$

Tomhas 6

$$\text{Grapes} + \text{Grapes} = 4$$

$$\text{Saxophone} + \text{Grapes} = 9$$

$$\text{Pizza} + \text{Saxophone} = 10$$

$$\text{Saxophone} - \text{Grapes} = ?$$

Is féidir leat an láthair an corr amach ceann?

AINM:

Simultaneous Simultaneous Equations

EC 2

Rang 3, 4, 5 agus 6

Faigh luach gach siombail agus an ‘?’

Tomhas 1

$$\begin{aligned} \text{Rabbit} + \text{Rabbit} &= 10 \\ \text{Rabbit} + \text{Butterfly} &= 8 \\ \text{Rabbit} - \text{Seal} &= 1 \\ \text{Rabbit} \times \text{Butterfly} &= ? \end{aligned}$$

Tomhas 2

$$\begin{aligned} \text{Rocket} \times \text{Rocket} &= 4 \\ \text{Rocket} + \text{Flower} &= 12 \\ \text{Flower} - \text{Tree} &= 3 \\ \text{Tree} + \text{Rocket} &= ? \end{aligned}$$

Is féidir leat an láthair an corr amach ceann?

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 3

$$\begin{aligned} \text{Saturn} \times \text{Saturn} &= 9 \\ \text{Moon} - \text{Saturn} &= 20 \\ \text{Moon} - \text{Crab} &= 1 \\ \text{Moon} + \text{Crab} &= ? \end{aligned}$$

Tomhas 4

$$\begin{aligned} \text{Erlenmeyer} + \text{Erlenmeyer} &= 8 \\ \text{Erlenmeyer} \times \text{Microscope} &= 12 \\ \text{Erlenmeyer} \times \text{Erlenmeyer} &= ? \\ \text{Erlenmeyer} - \text{Shoe} &= \text{Microscope} \end{aligned}$$

Is féidir leat an láthair an corr amach ceann?

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 5

$$\text{candor} \times \text{candor} = 16$$

$$\text{candor} - \text{ice cream} = 3$$

$$\text{beetle} - \text{ice cream} = 21$$

$$\text{candor} + \text{candor} + \text{beetle} = ?$$

Tomhas 6

$$\text{ping pong paddle} \times \text{ping pong paddle} = 100$$

$$\text{ping pong paddle} + \text{donkey} = 16$$

$$\text{football} + \text{donkey} = 20$$

$$\text{ping pong paddle} + \text{ping pong paddle} - \text{football} = ?$$

Is féidir leat an láthair an corr amach ceann?

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 7

$$\text{🐍} + \text{🐍} + \text{🐍} = 36$$

$$\text{🐍} + \text{🐸} + \text{🐸} = 28$$

$$\text{🐸} - \text{★} = 6$$

$$\text{🐍} + \text{🐸} + \text{★} = ?$$

Tomhas 8

$$\text{💍} \times \text{💍} = 64$$

$$\text{🎺} + \text{💍} = 27$$

$$\text{🎸} + \text{💍} + \text{💍} = 20$$

$$\text{💍} + \text{🎸} + \text{🎺} = ?$$

Is féidir leat an láthair an corr amach ceann?

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 9

$$\text{umbrella} = \text{motorcycle}$$

$$\text{umbrella} \times \text{motorcycle} = 121$$

$$12 \times \text{umbrella} = 132$$

$$\text{duck} = 20 - \text{motorcycle}$$

$$\text{cloud} - \text{duck} = 7$$

$$\text{umbrella} \times \text{duck} = ?$$

Tomhas 10

$$\text{bird} \times \text{owl} = 90$$

$$11 \times \text{bird} = 110$$

$$\text{sheep} = 14 - \text{owl}$$

$$\text{sheep} - \text{duck} = 7$$

$$\text{duck} \times \text{duck} - \text{owl} = ?$$

Is féidir leat an láthair an corr amach ceann?

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 11

$$\text{Apple} + \text{Apple} + \text{Apple} = 90$$

$$\text{Apple} + \text{Mug} + \text{Mug} = 50$$

$$\text{Grapes} \times \text{Apple} = 60$$

$$\text{Mug} + \text{Cherry} + \text{Grapes} = 23$$

$$\text{Grapes} \times \text{Cherry} + \text{Apple} = ?$$

Tomhas 12

$$\text{Cat} + \text{Cat} + \text{Cat} = 39$$

$$\text{Smiley} + \text{Cat} + \text{Smiley} = 25$$

$$\text{Smiley} + \text{Smiley} + \text{Bee} \times 2 = 21$$

$$\text{Smiley} \times \text{Cat} + \text{Bee} \times 2 + \text{Bee} \times 2 = ?$$

Simultaneous Simultaneous Equations

EC 3

An tSraith Shóisearach

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 1

$$\blacktriangle \div \star = 2$$

$$\blacktriangle \times \star = 50$$

$$\blacktriangle - \star = ?$$

Tomhas 2

$$\smile + \smile + \smile = 24$$

$$\smile + \heartsuit + \heartsuit = 18$$

$$\heartsuit + \heartsuit - \bullet = 6$$

$$\smile + \bullet \times \heartsuit = ?$$

$$\blacktriangle = \quad , \star = \quad , \smile = \quad , \heartsuit = \quad , \bullet =$$

Insert the line(s) of symmetry to each shape in your solution set

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 3

$$\text{Hexagon} + \text{Diamond} + \text{Hexagon} = 17$$

$$\text{Triangle} + \text{Trapezoid} + \text{Triangle} = 12$$

$$\text{Trapezoid} = \text{Triangle}$$

$$\text{Diamond} = \text{Triangle} - 3$$

$$\text{Hexagon} \times \text{Trapezoid} - \text{Diamond} = ?$$

$$\text{Hexagon} = \quad , \text{Diamond} = \quad , \text{Triangle} = \quad , \text{Trapezoid} = \quad$$

Tomhas 4

$$\text{Three Shamrocks} + \text{Cactus} = 14$$

$$\text{Two Shamrocks} - \text{Cactus} = 6$$

$$\text{Shamrock} = ? \quad \text{Cactus} = ?$$

Faigh luach gach siombail agus an ‘?’

Tomhas 5

$$\begin{array}{c} \text{3 umbrellas} \\ + \text{1 duck} \\ = 16 \end{array}$$

$$\begin{array}{c} \text{2 umbrellas} \\ + \text{1 duck} \\ = 10 \end{array}$$

$$\begin{array}{c} \text{1 umbrella} \\ = ? \end{array} \quad \begin{array}{c} \text{1 duck} \\ = ? \end{array}$$

Tomhas 6

$$\begin{array}{c} \text{2 planets} \\ + \text{3 rockets} \\ = 13 \end{array}$$

$$\begin{array}{c} \text{4 planets} \\ - \text{1 rocket} \\ = 5 \end{array}$$

$$\begin{array}{c} \text{1 planet} \\ = ? \end{array} \quad \begin{array}{c} \text{1 rocket} \\ = ? \end{array}$$

Faigh luach gach siombail agus an ‘?’

Tomhas 7

$$\begin{aligned} \text{☾} + \text{♥} + \text{☾} + \text{♥} + \text{♥} &= 68 \\ \text{♥} + \text{☾} + \text{★} + \text{★} &= 14 \\ \text{♥} + \text{☾} + \text{☾} &= 28 \end{aligned}$$

Tomhas 8

$$\begin{aligned} \text{🎯} - \text{🕸} &= -5 \\ \text{🎯}^3 &= 64 \\ \sqrt{(\text{🕸} + \text{🎯}^2)} - 1 &= ? \end{aligned}$$

Faigh luach gach siombail agus an ‘?’

Tomhas 9

$$-1 = \text{[2 game controllers]} - \text{[3 piggy banks]}$$

$$\text{[3 piggy banks]} + \text{[2 game controllers]} = 17$$

$$\text{[1 game controller]} = ? \quad \text{[1 piggy bank]} = ?$$

Tomhas 10

$$\text{[1 ladybug]} \times \text{[1 caterpillar]} = 30$$

$$\text{[1 ladybug]}^2 = 36$$

$$\text{[1 caterpillar]}^2 \times \text{[1 ladybug]} + \text{[1 butterfly]}^2 = 166$$

$$\text{[1 ladybug]} + \text{[1 caterpillar]} \times \text{[1 butterfly]} = ?$$

Faigh luach gach siombail agus an ‘?’

Tomhas 11

$$\text{cat} \div \text{cú} = 4$$

$$\text{cú}^3 = 27$$

$$\text{cat} \times \text{cú} \times \text{cú} = 72$$

$$14 - \text{cú} \times \text{cú} = ?$$

Tomhas 12

$$\text{páipéar} - 3 = 5 - \text{leictre}$$

$$\text{leictre} + 6 = \text{páipéar}$$

$$\text{leictre} = ?$$

$$\text{páipéar} = ?$$

Simultaneous Simultaneous Equations

EC 4

An Idirbhliain agus An Ardteistiméireacht Fheidhmeach

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 1

$$26 \times \text{pencil} = 208$$

$$\text{scissors} + \text{bag} = 30$$

$$26 - \text{scissors} = 4$$

$$\text{pencil} \times \text{bag} = 64$$

$$\text{scissors} + \text{bag} \times \text{pencil} = ?$$

Tomhas 2

$$14 \times \text{star} = 84$$

$$\text{medal} + \text{wreath} = 31$$

$$\text{wreath} - \text{star} = 4$$

$$\text{medal} \div \text{star} = 8$$

$$\text{medal} + 3(\text{wreath}) \div \text{star} = ?$$

Faigh luach gach siombail agus an ‘?’

Tomhas 3

$$\begin{aligned} \text{Dromchla} + 10 \text{ Páirteanna} &= 1 \\ \text{Dromchla} - 3 \text{ Páirteanna} &= -12 \\ \text{Dromchla} &=? \quad \text{Páirteanna} = ? \end{aligned}$$

Tomhas 4

$$\begin{aligned} \text{Eala} \times 5 &= 35 \\ \text{Eala} + \text{Cait} &= 12 \\ 5 + \text{Fis} &= 21 \\ \text{Cait} \times \text{Fis} &= 80 \\ \text{Eala} \times \text{Cait} \times \text{Fis} &=? \end{aligned}$$

Faigh luach gach siombail agus an ‘?’

Tomhas 5

$$\text{🕒} + \text{🧢} = 12$$

$$\text{🕒} + \text{🕒} + \text{🕒} - \text{🧢} = 11$$

$$\text{🕒} = ? \quad \text{🧢} = ?$$

Tomhas 6

$$\text{🐎} - \text{🐝} = 2$$

$$\text{🐝} + \text{🐎} = 8$$

$$\text{🐎} = ? \quad \text{🐝} = ?$$

Simultaneous Simultaneous Equations

EC 5

Ard Teist

gach réitigh $\in \mathbb{Z}$

Faigh luach gach siombail agus an ‘?’

Tomhas 1

$$\text{Clover} + \text{Clover} + 6 = 32$$

$$\text{Clover} + \text{Clover} + \text{Rabbit} = 48$$

$$\text{Rabbit} + \text{Rabbit} \times \text{Lock} = 220$$

$$6 \times \text{Lock} = 60$$

$$\text{Clover} + \text{Clover} \times \text{Lock} + \text{Lock} + \text{Rabbit} = ?$$

Tomhas 2

$$\text{Snowman} + \text{Snowman} + \text{Sunglasses} = 30$$

$$\text{Snowman} + \text{Snowman} \times 14 = 224$$

$$14 \times \text{Snowflake} = 280$$

$$\text{Sunglasses} + \text{Snowflake} + \text{Snowflake} = 34$$

$$\text{Snowflake} + \text{Snowflake} + \text{Sunglasses} \times \text{Snowman} = ?$$

Faigh luach gach siombail agus an ‘?’

Tomhas 3

$$\text{2 giraffes} \times \text{2 birds} = 840$$

$$\text{2 giraffes} \times \text{2 monkeys} = 672$$

$$\text{2 birds} + \text{2 crabs} = 48$$

$$\text{2 monkeys} + \text{2 crabs} = 42$$

$$\text{1 monkey} \times \text{2 giraffes} + \text{1 bird} = ?$$

Tomhas 4

$$\text{1 square} + \text{1 triangle} + \text{1 circle} = 10$$

$$\text{2 squares} + \text{1 triangle} + \text{3 overlapping circles} = 18$$

$$\text{3 squares} - \text{2 triangles} + \text{1 circle} = -1$$

$$\text{square} = ? \quad \text{triangle} = ? \quad \text{circle} = ?$$

gach réitigh $\in \mathbb{Z}$

Faigh luach gach siombail agus an ‘?’

Tomhas 5

$$\text{Saxophone} + \text{Guitar} = 6$$

$$\text{Saxophone}^2 + \text{Guitar}^2 = 8$$

$$\text{Saxophone} = ? \quad \text{Guitar} = ?$$

Tomhas 6

$$\text{Tulip} + \text{Grasshopper} = 2$$

$$\text{Tulip}^2 + \text{Grasshopper}^2 = 13$$

$$\text{Tulip} + \text{Tulip} \times \text{Grasshopper} = ?$$