

Simultaneous Simultaneous Equations

EC 1

Rang 1 agus Rang 2

Faigh luach gach siombail agus an ‘?’

Tomhas 1

$$\begin{array}{rcl} \text{Heart} + \text{Heart} & = & 8 \\ \text{Boat} + \text{Heart} & = & 7 \\ \text{Boat} + \text{Airplane} & = & 5 \\ \text{Airplane} + \text{Heart} & = & ? \end{array}$$

Tomhas 2

$$\begin{array}{rcl} \text{Sheep} + \text{Sheep} & = & 2 \\ \text{Horse} + \text{Sheep} & = & 4 \\ \text{Bone} + \text{Horse} & = & 7 \\ \text{Bone} + \text{Sheep} & = & ? \end{array}$$

Tomhas 3

$$\begin{array}{rcl} \text{Building} + \text{Building} & = & 2 \\ \text{Building} + \text{Windmill} & = & 6 \\ \text{Windmill} + \text{Briefcase} & = & 8 \\ \text{Building} + \text{Briefcase} & = & ? \end{array}$$

Is féidir leat an láthair an corr amach ceann?

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 4

$$\begin{array}{c} \text{drum} \\ + \\ \text{drum} \end{array} = 10$$

Tomhas 5

$$\begin{array}{c} \text{dress} \\ + \\ \text{dress} \end{array} = 4$$

Tomhas 6

$$\begin{array}{c} \text{grapes} \\ + \\ \text{grapes} \end{array} = 4$$

$$\begin{array}{c} \text{drum} \\ + \\ \text{fish} \end{array} = 7$$

$$\begin{array}{c} \text{dress} \\ + \\ \text{top} \end{array} = 3$$

$$\begin{array}{c} \text{saxophone} \\ + \\ \text{grapes} \end{array} = 9$$

$$\begin{array}{c} \text{fish} \\ + \\ \text{guitar} \end{array} = 6$$

$$\begin{array}{c} \text{top} \\ + \\ \text{top} \end{array} = ?$$

$$\begin{array}{c} \text{pizza slice} \\ + \\ \text{saxophone} \end{array} = 10$$

$$\begin{array}{c} \text{drum} \\ + \\ \text{guitar} \end{array} = ?$$

$$\begin{array}{c} \text{dress} \\ + \\ \text{crab} \end{array} = 5$$

$$\begin{array}{c} \text{saxophone} \\ - \\ \text{grapes} \end{array} = ?$$

Simultaneous Simultaneous Equations

EC 2

Rang 3, 4, 5 agus 6

Faigh luach gach siombail agus an ‘?’

Tomhas 1

$$\begin{array}{rcl} \text{grasshopper} + \text{grasshopper} & = & 10 \\ \text{grasshopper} + \text{butterfly} & = & 8 \\ \text{grasshopper} - \text{seal} & = & 1 \\ \text{grasshopper} \times \text{butterfly} & = & ? \end{array}$$

Tomhas 2

$$\begin{array}{rcl} \text{rocket} \times \text{rocket} & = & 4 \\ \text{rocket} + \text{flower} & = & 12 \\ \text{flower} - \text{tree} & = & 3 \\ \text{tree} + \text{rocket} & = & ? \end{array}$$

Faigh luach gach siombail agus an '?'

Tomhas 3

$$\text{Satellite} \times \text{Satellite} = 9$$

$$\text{Moon} - \text{Satellite} = 20$$

$$\text{Moon} - \text{Crab} = 1$$

$$\text{Moon} + \text{Crab} = ?$$

Tomhas 4

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

$$\text{Flask} \times \text{Microscope} = 12$$

$$\text{Flask} \times \text{Flask} = ?$$

$$\text{Flask} - \text{Shoe} = \text{Microscope}$$

Is féidir leat an láthair an corr amach ceann?

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 5

$$\begin{array}{ccc} \text{candy} & \times & \text{candy} \\ \times & & = \\ \text{candy} & & = 16 \end{array}$$

$$\begin{array}{ccc} \text{candy} & - & \text{ice cream} \\ - & & = \\ \text{candy} & & = 3 \end{array}$$

$$\begin{array}{ccc} \text{crab} & - & \text{ice cream} \\ - & & = \\ \text{crab} & & = 21 \end{array}$$

$$\begin{array}{ccc} \text{candy} & + & \text{candy} \\ + & & + \\ \text{crab} & & = ? \end{array}$$

Tomhas 6

$$\begin{array}{ccc} \text{ping pong paddle} & \times & \text{ping pong paddle} \\ \times & & = \\ \text{ping pong paddle} & & = 100 \end{array}$$

$$\begin{array}{ccc} \text{ping pong paddle} & + & \text{unicorn} \\ + & & = \\ \text{ping pong paddle} & & = 16 \end{array}$$

$$\begin{array}{ccc} \text{rugby ball} & + & \text{unicorn} \\ + & & = \\ \text{rugby ball} & & = 20 \end{array}$$

$$\begin{array}{ccc} \text{ping pong paddle} & + & \text{ping pong paddle} \\ + & & - \\ \text{rugby ball} & & = ? \end{array}$$

Is féidir leat an láthair an corr amach ceann?

AINM:

Faigh luach gach siombail agus an '?'

Tomhas 7

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

$$\text{snake} + \text{guitar} + \text{guitar} = 28$$

$$\text{guitar} - \star = 6$$

$$\text{snake} + \text{guitar} + \star = ?$$

Tomhas 8

$$\text{ring} \times \text{ring} = 64$$

$$\text{trumpet} + \text{ring} = 27$$

$$\text{guitar} + \text{ring} + \text{ring} = 20$$

$$\text{ring} + \text{guitar} + \text{trumpet} = ?$$

Is féidir leat an láthair an corr amach ceann?

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 9

$$\begin{array}{c} \text{umbrella} \\ = \\ \text{motorcycle} \end{array}$$

$$\begin{array}{c} \text{umbrella} \\ \times \\ \text{motorcycle} \\ = 121 \end{array}$$

$$\begin{array}{c} 12 \\ \times \\ \text{umbrella} \\ = 132 \end{array}$$

$$\begin{array}{c} \text{duck} \\ = \\ 20 - \text{motorcycle} \end{array}$$

$$\begin{array}{c} \text{cloud} \\ - \\ \text{duck} \\ = 7 \end{array}$$

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

Tomhas 10

$$\begin{array}{c} \text{bird} \\ \times \\ \text{owl} \\ = 90 \end{array}$$

$$\begin{array}{c} 11 \times \text{bird} = 110 \end{array}$$

$$\begin{array}{c} \text{duck} \\ = 14 - \text{owl} \end{array}$$

$$\begin{array}{c} \text{sheep} \\ - \\ \text{duck} \\ = 7 \end{array}$$

$$\begin{array}{c} \text{duck} \\ \times \\ \text{duck} \\ - \text{owl} \\ = ? \end{array}$$

Is féidir leat an láthair an corr amach ceann?

AINM:

Faigh luach gach siombail agus an '?'

Tomhas 11

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

$$\text{apple} + \text{cup} + \text{cup} = 50$$

$$\text{grapes} \times \text{apple} = 60$$

$$\text{cup} + \text{cherries} + \text{grapes} = 23$$

$$\text{grapes} \times \text{cherries} + \text{apple} = ?$$

Tomhas 12

$$\text{devil face} + \text{devil face} + \text{devil face} = 39$$

$$\text{smiley face} + \text{devil face} + \text{smiley face} = 25$$

$$\text{smiley face} + \text{smiley face} + \text{beehive} = 21$$

$$\text{smiley face} \times \text{devil face} + \text{beehive} + \text{beehive} = ?$$

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

$$\blacktriangleleft + \blacktriangleleft + \blacktriangleleft = 24$$

$$\blacktriangleleft + \heartsuit + \heartsuit = 18$$

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

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

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

Faigh luach gach siombail agus an ‘?’

Tomhas 3

$$\text{hexagon} + \diamond + \text{hexagon} = 17$$

$$\text{triangle} + \square + \text{triangle} = 12$$

$$\square = \text{triangle}$$

$$\diamond = \text{triangle} - 3$$

$$\text{hexagon} \times \square - \diamond = ?$$

$$\text{hexagon} = \quad , \diamond = \quad , \text{triangle} = \quad , \square = \quad .$$

Tomhas 4

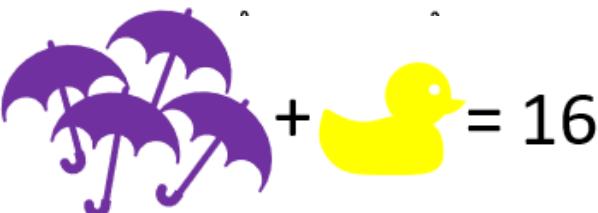
$$\text{clover} + \text{cactus} = 14$$

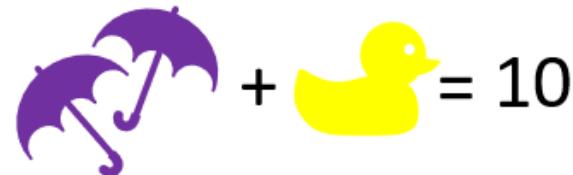
$$2 \text{clover} - \text{cactus} = 6$$

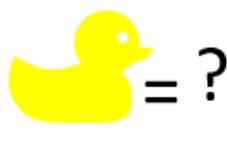
$$\text{clover} = ? \quad \text{cactus} = ?$$

Faigh luach gach siombail agus an ‘?’

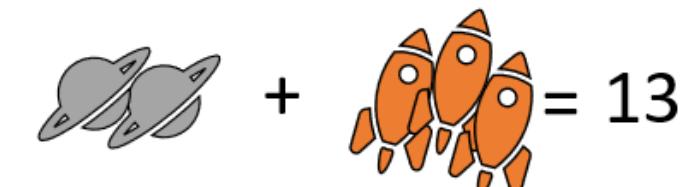
Tomhas 5

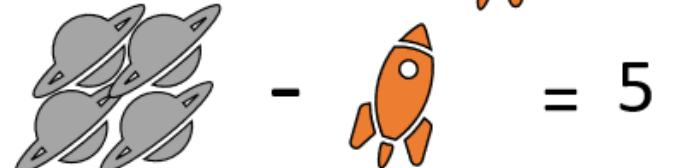

$$+ = 16$$

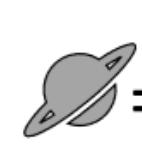
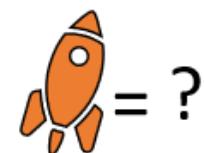

$$+ = 10$$

 = ?  = ?

Tomhas 6


$$+ = 13$$


$$- = 5$$

 = ?  = ?

Faigh luach gach siombail agus an ‘?’

Tomhas 7

$$\text{) } + \text{ ♥ } + \text{) } + \text{ ♥ } + \text{ ♥ } = 68$$

$$\text{ ♥ } + \text{) } + \text{ ☆ } + \text{ ☆ } = 14$$

$$\text{ ♥ } + \text{) } + \text{) } = 28$$

Tomhas 8

$$\text{ () } - \text{ () } = -5$$

$$\text{ () }^3 = 64$$

$$\sqrt{(\text{ () } + \text{ () })^2} - 1 = ?$$

Faigh luach gach siombail agus an ‘?’

Tomhas 9

$$-1 = \text{Yellow Controller} - \text{Pink Piggy Banks}$$

$$\text{Pink Piggy Banks} + \text{Yellow Controller} = 17$$

$$\text{Yellow Controller} = ? \quad \text{Pink Piggy Bank} = ?$$

Tomhas 10

$$\text{Ladybug} \times \text{Caterpillar} = 30$$

$$\text{Ladybug}^2 = 36$$

$$\text{Caterpillar}^2 \times \text{Ladybug} + \text{Butterfly}^2 = 166$$

$$\text{Ladybug} + \text{Caterpillar} \times \text{Butterfly} = ?$$

Faigh luach gach siombail agus an ‘?’

Tomhas 11

$$\text{cat} \div \text{dog} = 4$$

$$\text{dog}^3 = 27$$

$$\text{cat} \times \text{dog} \times \text{rabbit} = 72$$

$$14 - \text{dog} \times \text{rabbit} = ?$$

Tomhas 12

$$\text{paper planes} - 3 = 5 - \text{envelope}$$

$$\begin{array}{c} \text{envelope} \\ \text{envelope} \\ \text{envelope} \end{array} + 6 = \begin{array}{c} \text{paper plane} \\ \text{paper plane} \\ \text{paper plane} \end{array}$$

$$\text{envelope} = ? \quad \text{paper plane} = ?$$

Simultaneous Simultaneous Equations

EC 4

An Idirbhliain agus An Ardteistiméireacht Fheidhmeach

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 1

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

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

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

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

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

Tomhas 2

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

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

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

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

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

AINM:

Faigh luach gach siombail agus an ‘?’

Tomhas 3

$$\begin{array}{rcl} \text{dog} + \text{paws} & = & 1 \\ \text{dog} - \text{paws} & = & -12 \\ \hline \text{dog} & = ? & \text{paw} = ? \end{array}$$

Tomhas 4

$$\begin{array}{rcl} \text{bird} \times 5 & = & 35 \\ \text{bird} + \text{cat} & = & 12 \\ 5 + \text{fish} & = & 21 \\ \text{cat} \times \text{fish} & = & 80 \\ \hline \text{bird} \times \text{cat} \times \text{fish} & = & ? \end{array}$$

Faigh luach gach siombail agus an ‘?’

Tomhas 5

$$\begin{array}{c} \text{⌚⌚} \\ + \end{array} \quad \begin{array}{c} \text{🧢} \\ = 12 \end{array}$$

$$\begin{array}{c} \text{⌚⌚⌚⌚} \\ - \end{array} \quad \begin{array}{c} \text{🧢} \\ = 11 \end{array}$$

$$\begin{array}{c} \text{⌚⌚} \\ = ? \end{array} \quad \begin{array}{c} \text{🧢} \\ = ? \end{array}$$

Tomhas 6

$$\begin{array}{c} \text{🐴🐴} \\ - \end{array} \quad \begin{array}{c} \text{🐝} \\ = 2 \end{array}$$

$$\begin{array}{c} \text{🐝} \\ + \end{array} \quad \begin{array}{c} \text{🐴} \\ = 8 \end{array}$$

$$\begin{array}{c} \text{🐴} \\ = ? \end{array} \quad \begin{array}{c} \text{🐝} \\ = ? \end{array}$$

Simultaneous Simultaneous Equations

EC 5

Ard Teist

gach réitigh $\in \mathbb{Z}$

Faigh luach gach siombail agus an ‘?’

Tomhas 1

$$\begin{array}{c} \text{clover} \\ \text{clover} \end{array} + 6 = 32$$

$$\begin{array}{c} \text{clover} \\ \text{clover} \end{array} + \begin{array}{c} \text{bunny} \\ \text{bunny} \end{array} = 48$$

$$\begin{array}{c} \text{bunny} \\ \text{bunny} \end{array} \times \begin{array}{c} \text{padlock} \\ \text{padlock} \end{array} = 220$$

$$6 \times \begin{array}{c} \text{padlock} \\ \text{padlock} \end{array} = 60$$

$$\begin{array}{c} \text{clover} \\ \text{clover} \end{array} \times \begin{array}{c} \text{padlock} \\ \text{padlock} \end{array} + \begin{array}{c} \text{bunny} \\ \text{bunny} \end{array} = ?$$

Tomhas 2

$$\begin{array}{c} \text{snowman} \\ \text{snowman} \end{array} + \begin{array}{c} \text{sunglasses} \\ \text{sunglasses} \end{array} = 30$$

$$\begin{array}{c} \text{snowman} \\ \text{snowman} \end{array} \times 14 = 224$$

$$14 \times \begin{array}{c} \text{snowflake} \\ \text{snowflake} \\ \text{snowflake} \end{array} = 280$$

$$\begin{array}{c} \text{sunglasses} \\ \text{sunglasses} \end{array} + \begin{array}{c} \text{snowflake} \\ \text{snowflake} \\ \text{snowflake} \end{array} = 34$$

$$\begin{array}{c} \text{snowflake} \\ \text{snowflake} \end{array} + \begin{array}{c} \text{sunglasses} \\ \text{sunglasses} \end{array} \times \begin{array}{c} \text{snowman} \\ \text{snowman} \end{array} = ?$$

gach réitigh $\in \mathbb{Z}$

Faigh luach gach siombail agus an ‘?’

Tomhas 3

$$\begin{array}{c} \text{Giraffe} \\ \times \end{array} \begin{array}{c} \text{Bird} \\ \times \end{array} = 840$$

$$\begin{array}{c} \text{Giraffe} \\ \times \end{array} \begin{array}{c} \text{Monkey} \\ \times \end{array} = 672$$

$$\begin{array}{c} \text{Bird} \\ + \end{array} \begin{array}{c} \text{Crab} \\ + \end{array} = 48$$

$$\begin{array}{c} \text{Monkey} \\ + \end{array} \begin{array}{c} \text{Crab} \\ + \end{array} = 42$$

$$\begin{array}{c} \text{Monkey} \\ \times \end{array} \begin{array}{c} \text{Giraffe} \\ \times \end{array} + \begin{array}{c} \text{Bird} \\ \times \end{array} = ?$$

Tomhas 4

$$\begin{array}{c} \text{Square} \\ + \end{array} \begin{array}{c} \text{Triangle} \\ + \end{array} \begin{array}{c} \text{Circle} \\ = \end{array} 10$$

$$\begin{array}{c} \text{Square} \\ + \end{array} \begin{array}{c} \text{Triangle} \\ + \end{array} \begin{array}{c} \text{Circle} \\ = \end{array} 18$$

$$\begin{array}{c} \text{Square} \\ - \end{array} \begin{array}{c} \text{Triangle} \\ + \end{array} \begin{array}{c} \text{Circle} \\ = \end{array} -1$$

$$\boxed{\text{Square}} = ? \quad \boxed{\text{Triangle}} = ? \quad \boxed{\text{Circle}} = ?$$

gach réitigh $\in \mathbb{Z}$

Faigh luach gach siombail agus an '?'

Tomhas 5

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

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

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

Tomhas 6

$$2 \text{ Tulips} + 2 \text{ Grasshoppers} = 2$$

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

$$2 \text{ Tulips} + 1 \text{ Grasshopper} = ?$$