



ALGEBRANIMALS

Mr. Merrick · Division 2 Mathematics · January 27, 2026

$$\text{sloth} + \text{sloth} = 12$$

$$\text{sloth} = \boxed{6}$$

$$\text{sloth} + \text{owl} = 9$$

$$\text{koala} = \boxed{9}$$

$$\text{koala} - \text{owl} = 6$$

$$\text{owl} = \boxed{3}$$

$$\text{mouse} \div 3 = 4$$

$$\text{mouse} = \boxed{12}$$

$$\text{pig} + \text{bat} = 13$$

$$\text{pig} = \boxed{5}$$

$$\text{bat} - \text{pig} = 3$$

$$\text{bat} = \boxed{8}$$

$$\text{panda} + \text{hippo} = 11$$

$$\text{panda} = \boxed{7}$$

$$\text{cat} - \text{panda} = 4$$

$$\text{hippo} = \boxed{4}$$

$$\text{cat} - \text{hippo} = 7$$

$$\text{cat} = \boxed{11}$$

$$\begin{array}{c} \text{Penguin} \\ \div 5 = 2 \end{array}$$

$$\begin{array}{c} \text{Sheep} + \text{Bear} \\ = 15 \end{array}$$

$$\begin{array}{c} \text{Bear} - \text{Penguin} \\ = 3 \end{array}$$

$$\begin{array}{c} \text{Penguin} \\ = \boxed{10} \end{array}$$

$$\begin{array}{c} \text{Sheep} \\ = \boxed{2} \end{array}$$

$$\begin{array}{c} \text{Bear} \\ = \boxed{13} \end{array}$$

$$\begin{array}{c} \text{Squirrel} + \text{Dog} \\ = 15 \end{array}$$

$$\begin{array}{c} \text{Meerkat} - \text{Dog} \\ = 6 \end{array}$$

$$\begin{array}{c} \text{Meerkat} - \text{Squirrel} \\ = 3 \end{array}$$

$$\begin{array}{c} \text{Squirrel} \\ = \boxed{9} \end{array}$$

$$\begin{array}{c} \text{Dog} \\ = \boxed{6} \end{array}$$

$$\begin{array}{c} \text{Meerkat} \\ = \boxed{12} \end{array}$$

$$\begin{array}{c} \text{Porcupine} \\ \div 2 = 7 \end{array}$$

$$\begin{array}{c} \text{Koala} + \text{Bee} \\ = 8 \end{array}$$

$$\begin{array}{c} \text{Porcupine} - (\text{Koala} + \text{Bee}) \\ = 6 \end{array}$$

$$\begin{array}{c} \text{Porcupine} \\ = \boxed{14} \end{array}$$

$$\begin{array}{c} \text{Koala} \\ = \boxed{5} \end{array}$$

$$\begin{array}{c} \text{Bee} \\ = \boxed{3} \end{array}$$

$$\text{Groundhog} + \text{Mouse} = 11$$

$$\text{Fox} - \text{Mouse} = 8$$

$$\text{Fox} - \text{Groundhog} = 11$$

$$\text{Groundhog} = \boxed{4}$$

$$\text{Fox} = \boxed{15}$$

$$\text{Mouse} = \boxed{7}$$

$$\text{Owl} + \text{Penguin} = 11$$

$$\text{Owl} = \boxed{8}$$

$$\text{Fox} - \text{Owl} = 4$$

$$\text{Penguin} = \boxed{3}$$

$$\text{Fox} - \text{Penguin} = 9$$

$$\text{Fox} = \boxed{12}$$

$$\text{Cat} + \text{Owl} = 11$$

$$\text{Cat} = \boxed{2}$$

$$\text{Pig} - \text{Owl} = 3$$

$$\text{Owl} = \boxed{9}$$

$$\text{Pig} - \text{Cat} = 10$$

$$\text{Pig} = \boxed{12}$$

$$\begin{array}{c} \text{Snowman} \\ + \\ \text{Snowman} \end{array} = 12$$

$$\text{Snowman} = \boxed{6}$$

$$\begin{array}{c} \text{Raccoon} \\ - \\ \text{Snowman} \end{array} = 5$$

$$\text{Raccoon} = \boxed{11}$$

$$\begin{array}{c} \text{Raccoon} \\ - \\ \text{Sloth} \end{array} = 7$$

$$\text{Sloth} = \boxed{4}$$

$$\begin{array}{c} \text{Panda} \\ + \\ \text{Panda} \end{array} = 2$$

$$\text{Panda} = \boxed{1}$$

$$\begin{array}{c} \text{Elephant} \\ \div 3 = 5 \end{array}$$

$$\text{Elephant} = \boxed{9}$$

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

$$\text{Dog} = \boxed{15}$$

$$\begin{array}{c} \text{Bear} \\ + \\ \text{Fox} \end{array} = 9$$

$$\text{Bear} = \boxed{7}$$

$$\begin{array}{c} \text{Koala} \\ \div 2 = 7 \end{array}$$

$$\text{Koala} = \boxed{2}$$

$$\begin{array}{c} \text{Koala} \\ - \\ \text{Fox} \end{array} = 12$$

$$\text{Koala} = \boxed{14}$$

$$\text{Penguin} + \text{Bat} = 11$$

$$\text{Penguin} = \boxed{5}$$

$$\text{Squirrel} \div 3 = 4$$

$$\text{Squirrel} = \boxed{12}$$

$$\text{Squirrel} - \text{Bat} = 6$$

$$\text{Bat} = \boxed{6}$$

$$\text{Owl} \div 5 = 3$$

$$\text{Owl} = \boxed{15}$$

$$\text{Hamster} + \text{Shaggy Cat} = 13$$

$$\text{Hamster} = \boxed{4}$$

$$\text{Owl} - \text{Hamster} = 6$$

$$\text{Owl} = \boxed{9}$$

$$\text{Mouse} + \text{Bee} = 10$$

$$\text{Cat} = \boxed{10}$$

$$\text{Cat} - \text{Mouse} = 2$$

$$\text{Bee} = \boxed{2}$$

$$\text{Cat} - \text{Bee} = 8$$

$$\text{Mouse} = \boxed{8}$$

$$\begin{array}{rcl} \text{Aardvark} & + & \text{Bear} = 8 \\ \text{Badger} & - & \text{Aardvark} = 9 \\ \text{Badger} & - & \text{Bear} = 11 \end{array}$$

$$\begin{array}{l} \text{Aardvark} = \boxed{5} \\ \text{Badger} = \boxed{14} \\ \text{Bear} = \boxed{3} \end{array}$$

$$\begin{array}{rcl} \text{Sloth} & + & \text{Pig} = 12 \\ \text{Sloth} & - & \text{Cat} = 5 \\ \text{Cat} & + & \text{Pig} = 7 \end{array}$$

$$\begin{array}{l} \text{Sloth} = \boxed{11} \\ \text{Pig} = \boxed{1} \\ \text{Cat} = \boxed{6} \end{array}$$

$$\begin{array}{rcl} \text{Penguin} & + & \text{Groundhog} = 11 \\ \text{Wolf} & - & \text{Penguin} = 11 \\ \text{Wolf} & - & \text{Groundhog} = 4 \end{array}$$

$$\begin{array}{l} \text{Penguin} = \boxed{2} \\ \text{Wolf} = \boxed{13} \\ \text{Groundhog} = \boxed{9} \end{array}$$

$$\text{elephant} + \text{squirrel} = 11$$

$$\text{dog} \div 4 = 3$$

$$\text{dog} - \text{elephant} = 4$$

$$\text{elephant} = \boxed{8}$$

$$\text{dog} = \boxed{12}$$

$$\text{squirrel} = \boxed{3}$$

$$\text{koala} + \text{koala} + \text{koala} = 9$$

$$\text{bee} \div 3 = 4$$

$$\text{panda} - \text{koala} = 6$$

$$\text{panda} = \boxed{9}$$

$$\text{koala} = \boxed{3}$$

$$\text{bee} = \boxed{12}$$

$$\text{cat} \div 3 = 5$$

$$\text{mouse} + \text{owl} = 11$$

$$\text{cat} - (\text{mouse} + \text{owl}) = 4$$

$$\text{cat} = \boxed{15}$$

$$\text{mouse} = \boxed{4}$$

$$\text{owl} = \boxed{7}$$

$$\begin{array}{rcl} \text{pig} & + & \text{pig} & + & \text{penguin} = 21 \\ \text{pig} & + & \text{pig} & + & \text{penguin} = 21 \end{array}$$

$$\begin{array}{rcl} \text{bear} & + & \text{pig} = 17 \\ \text{bear} & + & \text{pig} = 17 \end{array}$$

$$\begin{array}{rcl} \text{bear} & - & \text{penguin} = 2 \\ \text{bear} & - & \text{penguin} = 2 \end{array}$$

$$\text{bear} = \boxed{11}$$

$$\text{pig} = \boxed{6}$$

$$\text{penguin} = \boxed{9}$$

$$\begin{array}{rcl} \text{badger} & + & \text{badger} = 7 \\ \text{badger} & + & \text{badger} = 7 \end{array}$$

$$\begin{array}{rcl} \text{sheep} & \div 7 & = 2 \\ \text{sheep} & \div 7 & = 2 \end{array}$$

$$\begin{array}{rcl} \text{sheep} & - & \text{badger} = 9 \\ \text{sheep} & - & \text{badger} = 9 \end{array}$$

$$\text{badger} = \boxed{5}$$

$$\text{badger} = \boxed{2}$$

$$\text{sheep} = \boxed{14}$$

$$\begin{array}{rcl} \text{sloth} & + & \text{bat} = 17 \\ \text{sloth} & + & \text{bat} = 17 \end{array}$$

$$\begin{array}{rcl} \text{sloth} & \div 13 & = 1 \\ \text{sloth} & \div 13 & = 1 \end{array}$$

$$\begin{array}{rcl} \text{sloth} & - & \text{elephant} = 6 \\ \text{sloth} & - & \text{elephant} = 6 \end{array}$$

$$\text{sloth} = \boxed{13}$$

$$\text{elephant} = \boxed{7}$$

$$\text{bat} = \boxed{4}$$