

Maths Star

Forming Expressions Answers

- 1) Mary started with Z sweets. She has eaten 4. What is the expression to show how many sweets she has now?

Mary has 4 less than the amount (Z) she started with, so the expression is:

$$Z - 4$$

- 2) Tim has 2 fish. He has to buy each fish a tank (T) and 3 jars of food (F). Write an expression to show how many tanks and jars of food he needs.

Tim needs 2 tanks and 6 jars of food altogether, so the expression will be:

$$2T + 6F$$

Or, you can say that each fish needs a tank and 3 jars and you can use brackets:

$$2(T + 3F)$$

- 3) Emma spends B pounds on a yearly bus pass and T pounds on a monthly train ticket. What is the expression to show how much she spends in 1 year?

There are 12 months in a year, so she spends $12T$ on the train:

$$B + 12T$$

- 4) Sam is 2 years older than Bob. Bob is Y years older than Bill. Bill is X years old. What is the expression to show how old Sam is?

Bill is X

Bob is $X + Y$

Sam is $X + Y + 2$

- 5) Sidney likes to make pies. Every day, he makes a steak pie (S) and 2 fruit pies (F). Write an expression to show how many pies Sidney makes in 1 week.

There are 7 days in a week, so altogether he makes 7 steak pies and 14 fruit pies:

$$7S + 14F$$

Or, you can use brackets: $7(S + 2F)$