

Dinosaur factory

Introduction

Pupils should know that:

- The = sign comes before a formula.
- The * sign is the multiplication symbol.

Answers

How much would it cost for 12 dinosaurs? **£29.04**

How much would it cost for 36 dinosaurs? **£87.12**

How much would it cost for the poppers for 19 dinosaurs? **£6.65**

How much would it cost for the legs for 5 dinosaurs? **£2.10**

How many poppers are needed for 7 dinosaurs? **35**

Alter the number in cell B1 and numbers in column C to answer these.

If legs cost 27p how much would 1 dinosaur cost? **£2.54**

If legs cost 27p how much would 12 dinosaurs cost? **£30.48**

If legs are 27p and poppers cost 8p each, how much would it cost for
20 dinosaurs? **£51.80**

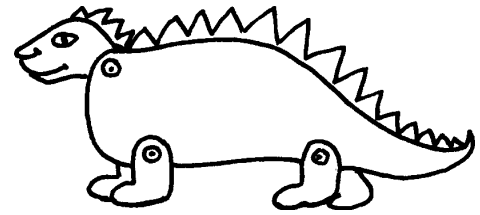
Extension activities

- **Beetles!**

Plastic beetles are made of 1 body, 1 head, 2 feelers, 1 tail, 2 eyes and 6 legs. Pupils can make up prices and problems like the ones above for other pupils to solve.

Dinosaur factory

In the factory, toy dinosaurs are made up of one body, one head, two arms and two legs. These parts are held together with five poppers. Set up a spreadsheet to calculate the cost of making the dinosaurs.



Setting up the spreadsheet

Copy down the **bold** words and figures directly from the spreadsheet. The numbers which are not in bold print are formulas:

B2	<input type="text" value="=B1"/>	B3	<input type="text" value="=B2"/>	B4	<input type="text" value="=B1*2"/>
B5	<input type="text" value="=B1*2"/>	B6	<input type="text" value="=B1*5"/>	D2	<input type="text" value="=B2*C2"/>
D3	<input type="text" value="=B3*C3"/>	D4	<input type="text" value="=B4*C4"/>	D5	<input type="text" value="=B5*C5"/>
D6	<input type="text" value="=B6*C6"/>	D7	<input type="text" value="=D2+D3+D4+D5+D6"/>		

	A	B	C	D
1	No. of Dinosaurs	1	Price each (p)	Price
2	Heads	1	34	34
3	Body	1	67	67
4	Arms	2	32	64
5	Legs	2	21	42
6	Poppers	5	7	35
7			Total cost	242

Now alter the number in cell B1 to answer the following questions.

How much would it cost for 12 dinosaurs? _____

How much would it cost for 36 dinosaurs? _____

How much would it cost for the poppers for 19 dinosaurs? _____

How much would it cost for the legs for 5 dinosaurs? _____

How many poppers are needed for 7 dinosaurs? _____

Alter the number in cell B1 and numbers in column C to answer these questions.

If legs cost 27p how much would 1 dinosaur cost? _____

If legs cost 27p how much would 12 dinosaurs cost? _____

If legs are 27p and poppers cost 8p each, how much would it cost for 20 dinosaurs? _____