

Student Worksheet 1

TI-30XB MultiView™: Proportional Reasoning

W1

Name: _____

Interpreting other students' thinking...

Pandora packages up their charms for bracelets in boxes of 35.
How many charms would there be in 16 boxes?

Two students Heidi and Chloe use different strategies to get to the same answer.
This table shows Heidi's thinking, the one further down shows Chloe's thinking.

Heidi's thinking:

Packages	1	→	10	→	5	→	15	→	16
Charms	35		350		175		525		560

Can you explain Heidi's strategy? Use a calculator to check the strategy.

Chloe's thinking:

Packages	1	→	2	→	4	→	8	→	16
Charms	35		70		140		280		560

Can you explain Chloes's strategy? Use a calculator to check the strategy.

Student Worksheet 2

TI-30XB MultiView™: Proportional Reasoning

W2

Name: _____

Question 1

Bananas at a caravan park shop are 2 for \$3. How many could you buy for \$16.50?

Complete the table below. Explain your strategy below. Use your calculator to check your answers.

Bananas		→	→	→	→
Cost					

Question 2

Tennis balls come in cans of 4, with 16 cans in each carton. How many cans in 7 cartons?

How many tennis balls?

Complete the table below. Explain your strategy below. Use your calculator to check your answers.

Cans		→	→	→	→
Cartons					
Tennis Balls					

Student Worksheet 2

TI-30XB MultiView™: Proportional Reasoning

W2

Question 3

Soft costs \$5.70 for 3 bottles on special at a supermarket. How much will 31 bottles cost? Explain your strategy to solve this. Use your calculator to check.

Complete the table below.

Explain your strategy below. Use your calculator to check your answers.

Bottles		→	→	→	→
Cost					

Question 4

A soft drink distributor sells cartons of soft drinks with 18 cans in a carton. A local deli buys 22 cartons. How many cans do they buy?

Complete the table below.

Explain your strategy below. Use your calculator to check your answers.

Cartons		→	→	→	→
Cans					
