

**PD1**

Carrie is packing apples.

It takes 3 boxes to pack 2 bushels of apples.

How many boxes does Carrie need to pack 8 bushels of apples?

Show your work.

**PD2**

Carrie is packing apples.

It takes 3 boxes to pack 2 bushels of apples.

How many boxes does Carrie need to pack 7 bushels of apples?

Show your work.

**PD3**

Five science books fit on every two feet of bookshelf.

How many feet of bookshelf are needed to fit 50 science books?

Show your work.

**PD4**

Frozen Treats Ice Cream Company packs 6 pints of ice cream in each box.

How many boxes are needed to hold 84 pints of ice cream?

Show your work.

OGAP PD

Name \_\_\_\_\_

Date

**PD5**

A DVD rack holds 32 CDs.

How many DVDs can 3 DVD racks hold?

Show your work.

**PD6**

Maggie's suitcase weighs 5 pounds.

Each of Maggie's set of clothes weighs about 3 pounds.

How many sets of clothes can Maggie pack so that the weight of her filled suitcase is less than 50 pounds?

Show your work.

**PD7**

The volume of Maggie's suitcase is 12 cubic feet.

Each set of Maggie's clothes takes up  $1\frac{1}{3}$  cubic feet of space.

How many outfits can Maggie fit in her suitcase?

Show your work.

**PD8**

A company stacks same size boxes on top of each other.

The height of three stacked boxes is 4 feet.

What is the height of five stacked boxes?

Show your work.



**PD9**

A company stacks same size boxes on top of each other.

The height of three stacked boxes is 4 feet.

How many boxes can the company put in a stack so that the height is less than 16 feet?

Show your work.

**PD10**

A company stacks same size boxes on top of each other.

The height of three stacked boxes is 3.5 feet.

How many boxes can the company put in a stack so that the height is less than 17.5 feet?

Show your work.

**PD11**

A middle school is selecting 20 students to attend a school board meeting.

The group must contain 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> grade students, and must fairly represent the population of each grade.

<b>Middle School Population</b>	
<b>Grade</b>	<b>Number of Students</b>
6 <sup>th</sup>	105
7 <sup>th</sup>	153
8 <sup>th</sup>	95

How many students from each grade should attend the school board meeting?

Show your work.