


Administered April 2016


RELEASED

ALGEBRA I

Number of Bus Trips 	Cost
1	\$4.00
2	\$8.00
3	

\$12.00

2a


Number of Bus Trips 	Cost
1	\$4.00
2	\$8.00
3	\$12.00

2b

4	\$16.00
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5	\$16.00
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Buying Songs

Number of Songs	Cost 
4	\$12.00
5	\$15.00
7	\$21.00

3b

6	\$18.00
8	\$11.00

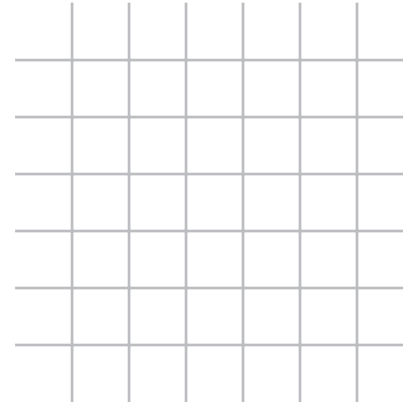
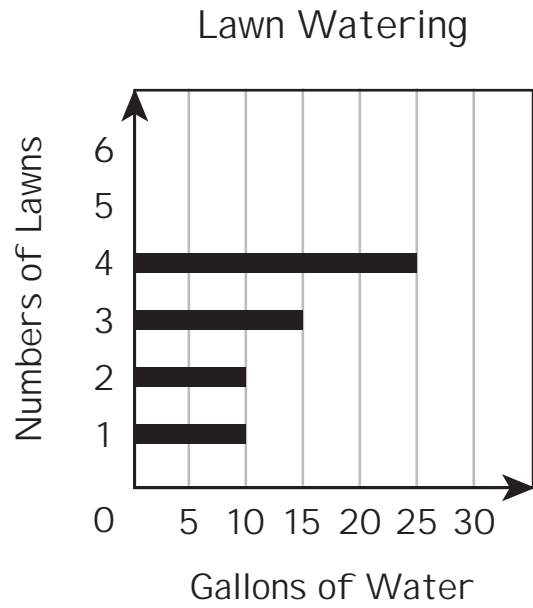
6	\$18.00
8	\$24.00

2	\$8.00
8	\$24.00

Lawn Watering

Number of Lawns	Gallons of Water
1	5
2	10
3	15
4	20

4b



Lawn Watering

15
gallons

10 gallons 20
gallons

10 gallons

45
gallons

5

7

+

8

=

15



6a



7a

$$2 \times 8 = 16$$

$$5 \times 8 = 40$$

$$8 \times 8 = 64$$



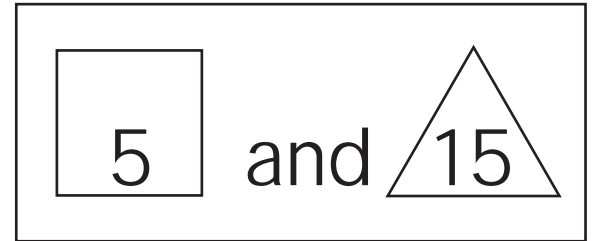
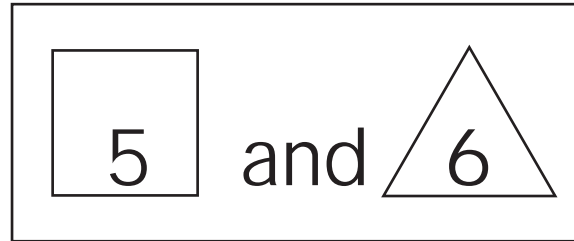
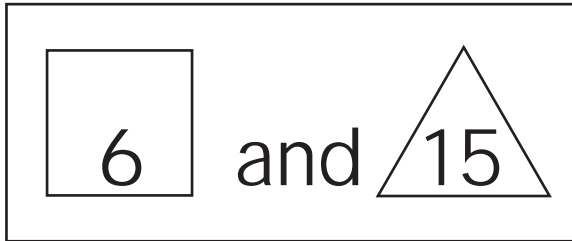
7b

$$10 \times 8 = 80$$

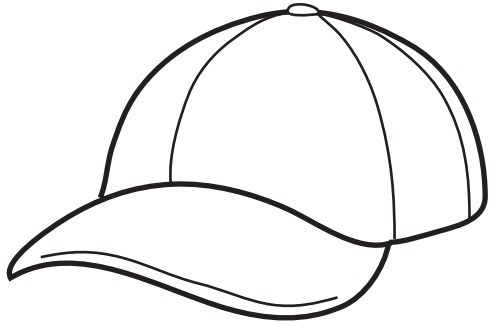
$$3 \times 8 = 24$$

$$11 \times 8 = 88$$

8b



10a

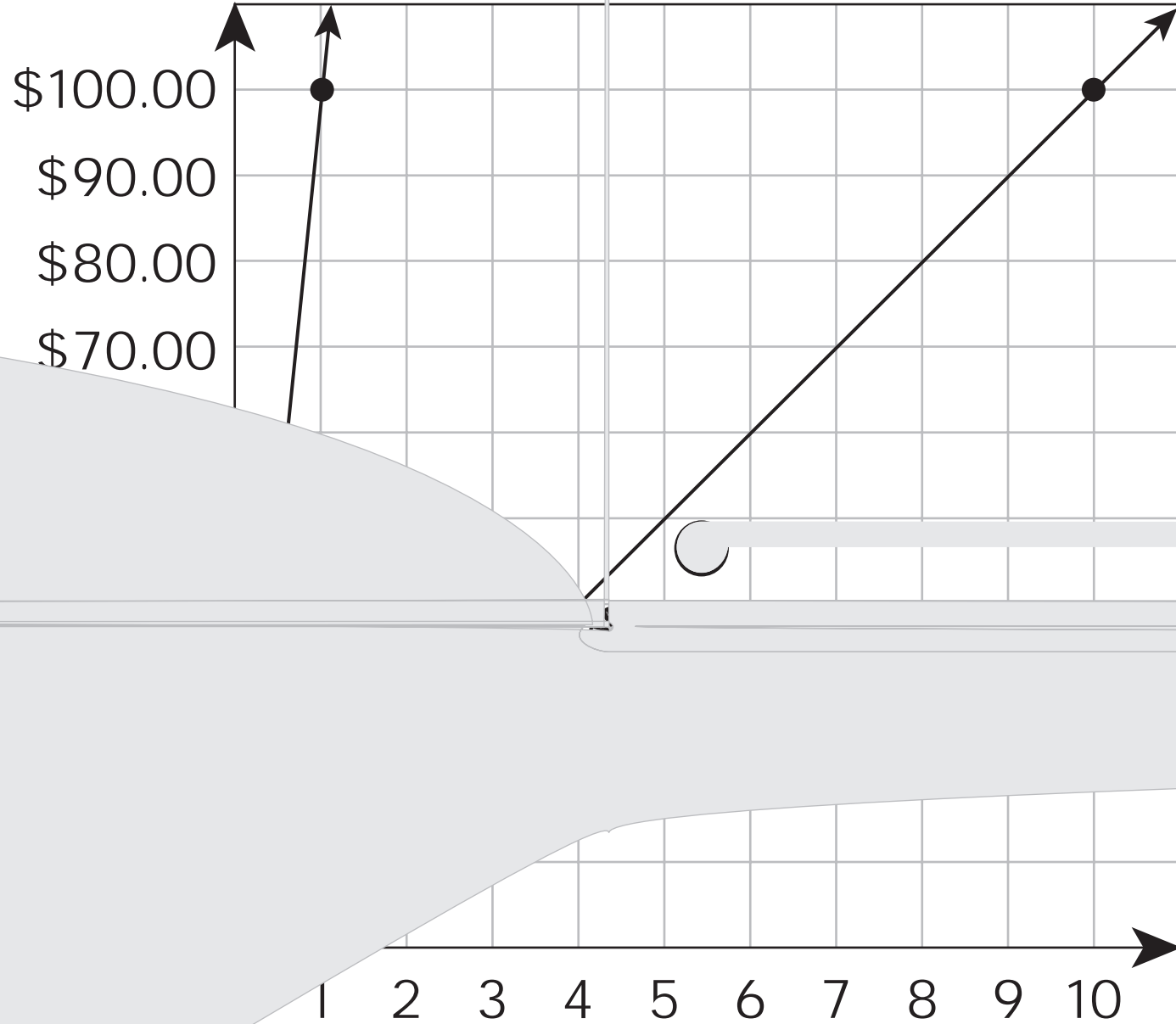


10b



11a

Buying a Cell Phone or DVDs



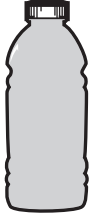
The student can buy —

... **DVD.** ... **a** ...
 because the cost of the cell phone is
 10 times the cost of a DVD

... **a DVD.** ...
 because the cost of the DVDs is 10
 times the cost of a cell phone

... **a** ... **b** ... **a**.
DVD. , because they both cost the
 same amount

12a



= \$20.00

The 5-pack is a better deal, because each bottle costs \$3.00.

The 5-pack is a better deal, because \$15.00 is less than \$20.00.

The 10-pack is a better deal, because each bottle costs \$2.00.

2	2
2×2	4
$2 \times 2 \times 2$	8

14a

2	2
2×2	4
$2 \times 2 \times 2$	8

14b

2
$2 + 2$
$2 + 2 + 2$

2
2×2
$2 \times 2 \times 2$

15a

$$3 \times 3$$

3

$3 \times 3 \times 3 \times 3 \times 3$	243
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$3 \times 3 \times 3 \times 3$	81
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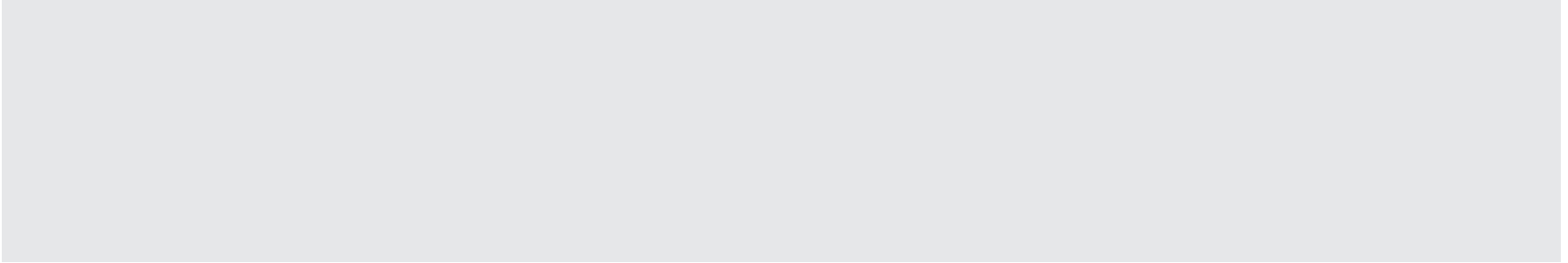
$3 + 3 + 3 + 3$	12
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Deer Population

Number of Years	Number of Deer
1	2
2	4
3	8

Deer Population


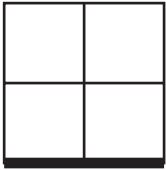
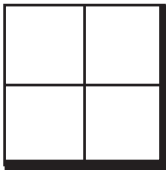
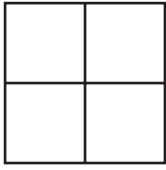
Number of Years	Number of Deer
1	3
2	9
3	27



1

2

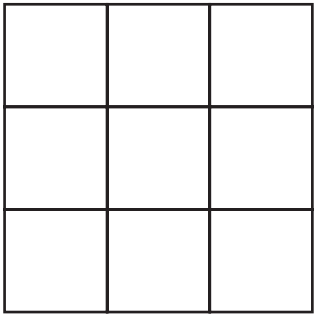
3

Side Length (feet)		Area (square feet)
 2	 2×2	 4

18b

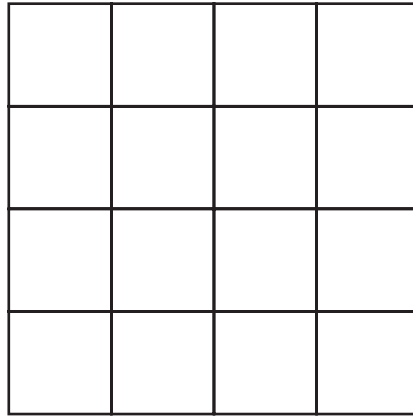


Area =
9 square feet



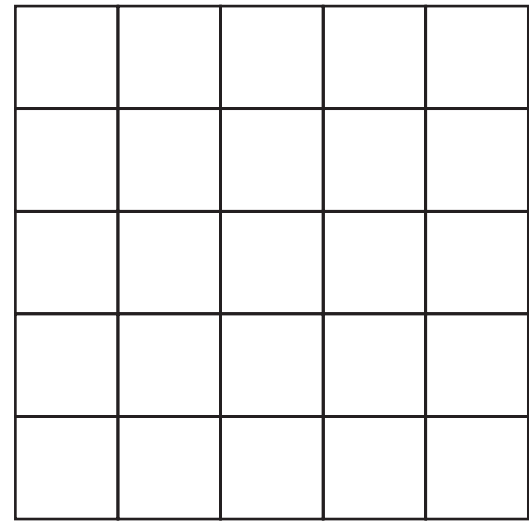
3 feet

Area =
16 square feet



4 feet

Area =
25 square feet



△ feet

$$\triangle \times \triangle = 25$$

$$\triangle + \triangle = 25$$

$$\triangle - \triangle = 25$$

5 feet

6 feet

7 feet

April 2016