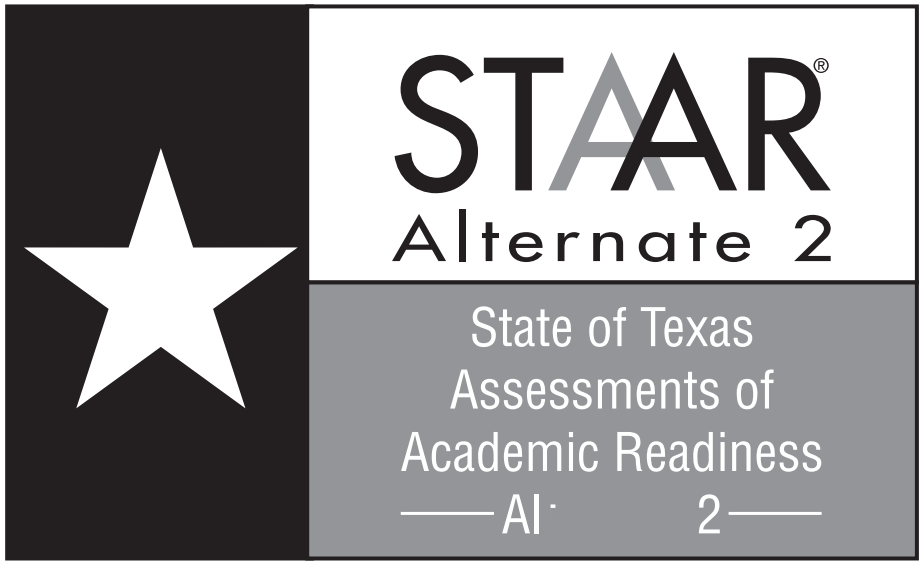

Algebra I

STAAR Alternate 2

Administered April 2019

RELEASED

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ALGEBRA I

2a

500 + 20

520

3a

3b

$9 + 10$	2×70	9×10

- There are 6 boys and 2 girls in the library.
- There are 24 books for the boys and girls to read.
- Each boy and girl will get the same number of books.

$$24 \div (6 + 2)$$

4b

24 ÷ 8

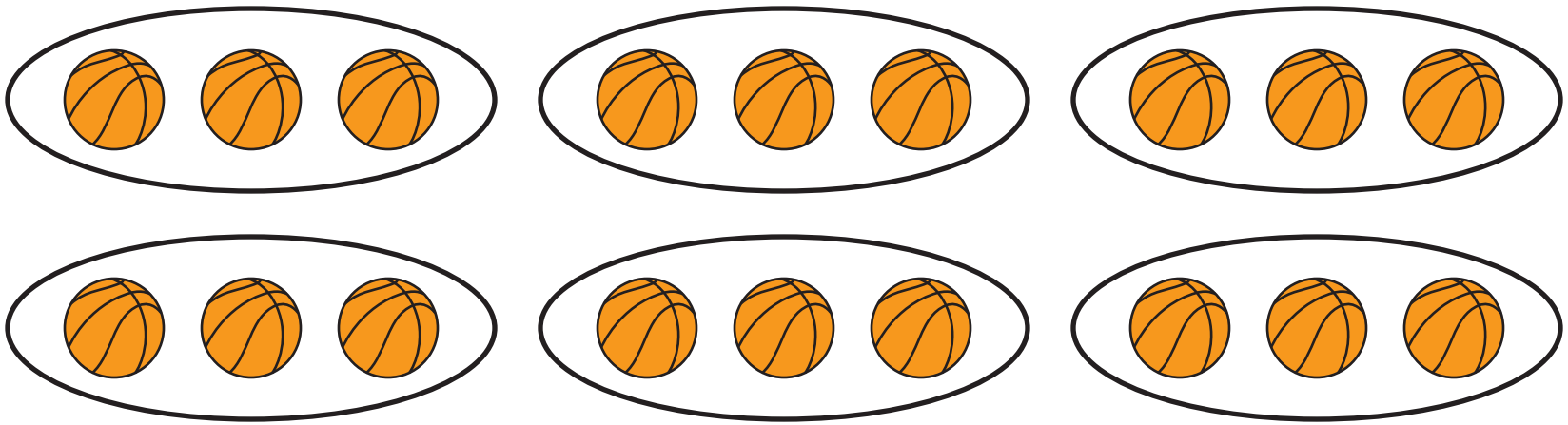
4 + 2

4 ÷ 8

16 - 12 = 4

16 + 12 = 28

6a



6b

$18 + 6 = 24$

$18 \div 6 = 3$

7b

$2 - $1 + $7 =

8b

$12	$18	$15

Factors	Solution
$8^1 = 8$	8
$8^2 = 8 \times 8$	64
$8^3 = 8 \times 8 \times 8$	512

10a

Factors	Solution
$8^1 = 8$	8
$8^2 = 8 \times 8$	64
$8^3 = 8 \times 8 \times 8$	512

11a

11b

The number of bacteria —

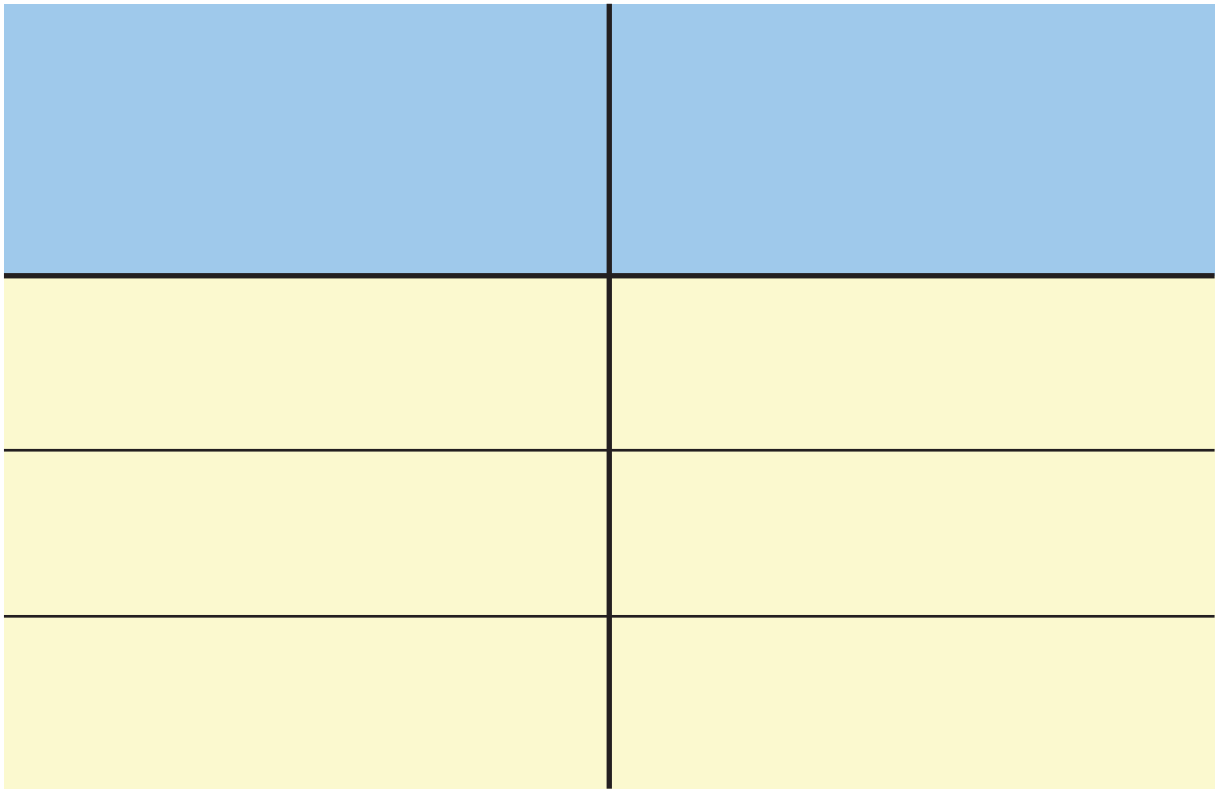
increased by one each hour

doubled each hour

stayed the same each hour

Movie Tickets

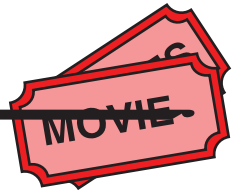
14a



Movie Tickets

Number of Tickets	Cost
1	$7.50
2	$15.00
3	$22.50

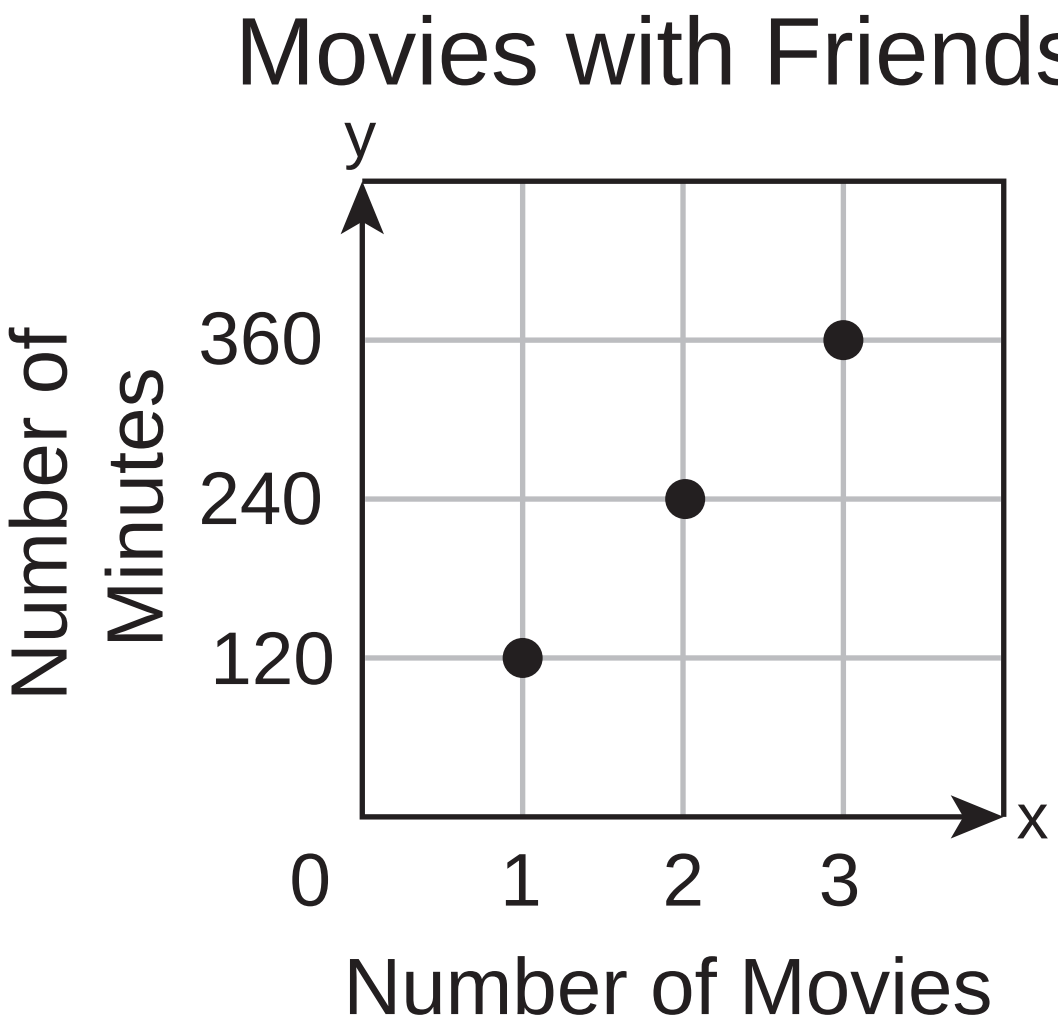
Movie Tickets



15b

15b

16a


Movies with Friends
y
Number of Minutes
360
240
120
0
1
2
3
x
Number of Movies

16b

Each movie lasted 360 minutes.

Each movie lasted 3 minutes.

Each movie lasted 120 minutes.

$10 \times 10 = 100$ stars

$10^2 = 100$

$$10 \times 10 = 100$$

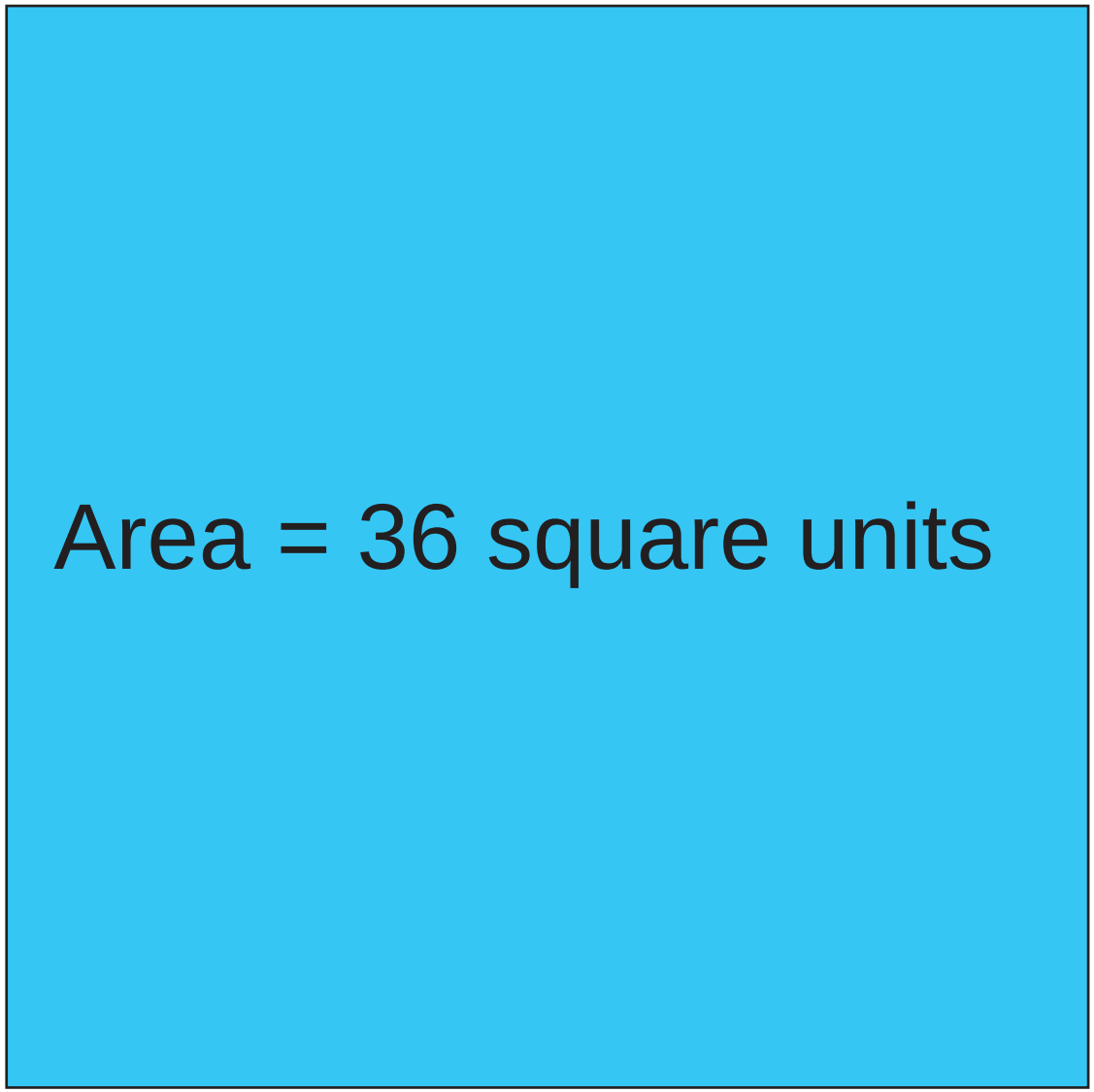
$$10^2 = 100$$

18b

$11 + 10 = 21$

$11^2 = 121$

Side $\times$ side = side^2 = area of a square



20b

STAAR ALTERNATE 2

April 2019