STUDENT NAME _____

State of Texas Assessments of Academic Readiness

Algebra I

STAAR Alternate 2

Administered Spring 2025

RELEASED

Copyright © 2025, Texas Education Agency. All rights reserved. Reproduction of all or portions of this work is prohibited without express written permission from the Texas Education Agency.

ALGEBRA I

$4 \times 2 \times \_\_ = 48$

$4 \times 2 \times 6 = 48$

2a

$4 \times 2 \times \_\_ = 48$

$4 \times 2 \times 6 = 48$

2b

$8 \times 1 \times \_\_ = 48$

$8 \times 1 \times \underline{6} = 48$

$8 \times 1 \times 6 = \_\_$

$8 \times 1 \times 6 = \underline{48}$

Veronica had some boxes of fruit snacks.

_____

Her friend gave her 3 more boxes of fruit snacks.

Then she bought 6 more boxes of fruit snacks.

3a

Now Veronica has 12 boxes of fruit snacks.

How many boxes of fruit snacks did Veronica start with?

3b

___ + 3 + 6 = 12

3 + 6 + 12 = ___

12 - ___ - 3 = 3

4a

$$\_\_\_ + 4 + 3 = 13$$

4b

8

7

6

Input	Process	Output
1	$1 \times 3 = 1 \times 3$	3
2	$1 \times 3 \times 3 = 1 \times 3^2$	9
3	$1 \times 3 \times 3 \times 3 = 1 \times 3^3$	27

6a

Input	Process	Output
1	$1 \times 3 = 1 \times 3$	3
2	$1 \times 3 \times 3 = 1 \times 3^2$	9
3	$1 \times 3 \times 3 \times 3 = 1 \times 3^3$	27

Input	Process	Output
1	$8 \times 2 = 8 \times 2$	16
2	$8 \times 2 \times 2 = 8 \times 2^2$	32
3	$8 \times 2 \times 2 \times 2 = 8 \times 2^3$	64

Input	Process	Output
1	$8 \times 8 = 8^2$	64
2	$8 \times 8 \times 8 = 8^3$	512
3	$8 \times 8 \times 8 \times 8 = 8^4$	4,096

Gallons of Gas Used

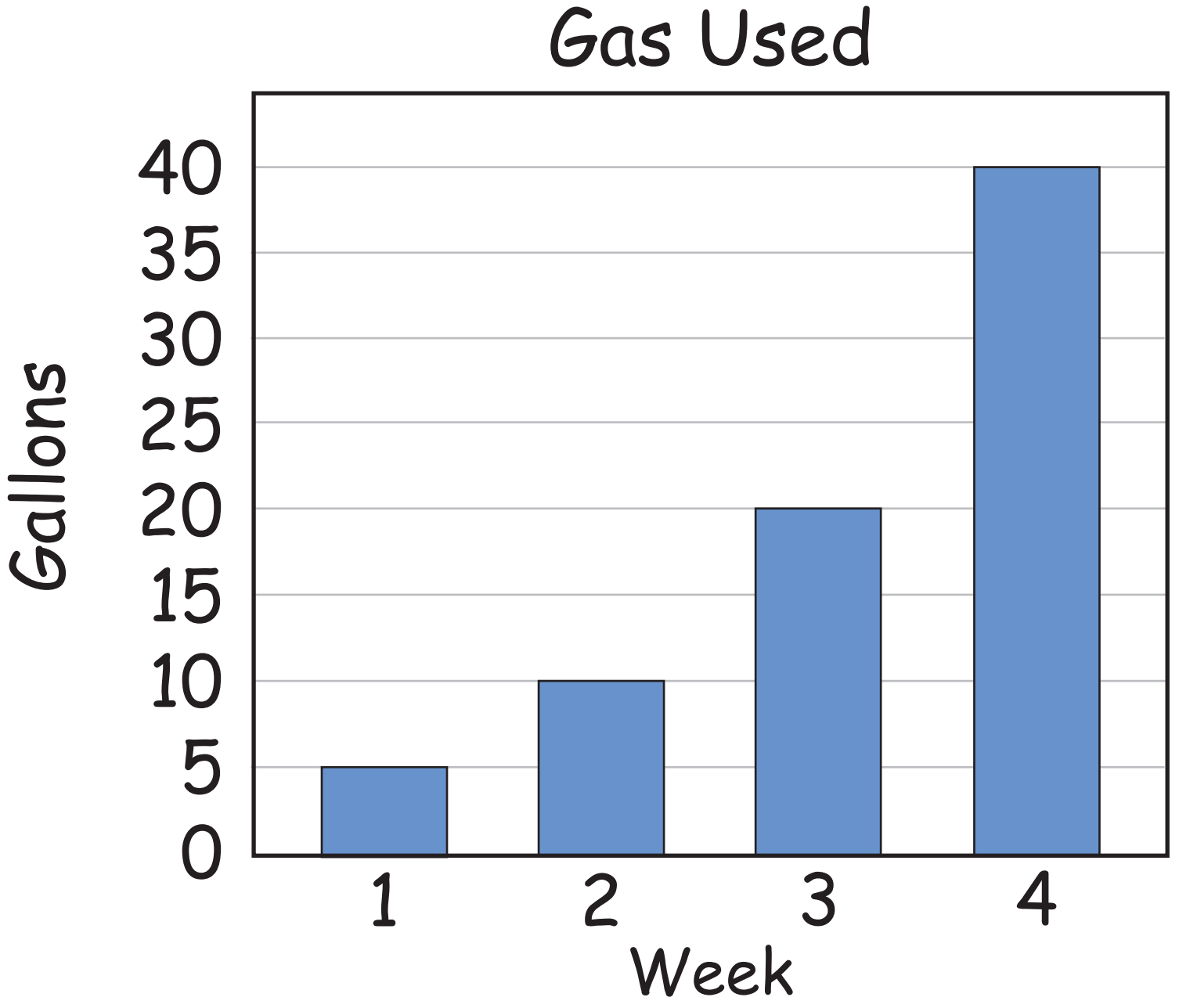
Week	Process	Gallons of Gas
1	$3 \times 2 = 3 \times 2$	6
2	$3 \times 2 \times 2 = 3 \times 2^2$	12
3	$3 \times 2 \times 2 \times 2 = 3 \times 2^3$	24
4		

$3 \times 3 \times 2 \times 2 \times 2 = 3^2 \times 2^3$	216

$3 \times 3 \times 3 \times 2 \times 2 = 3^3 \times 2^4$	108

$3 \times 2 \times 2 \times 2 \times 2 = 3 \times 2^4$	48

8a

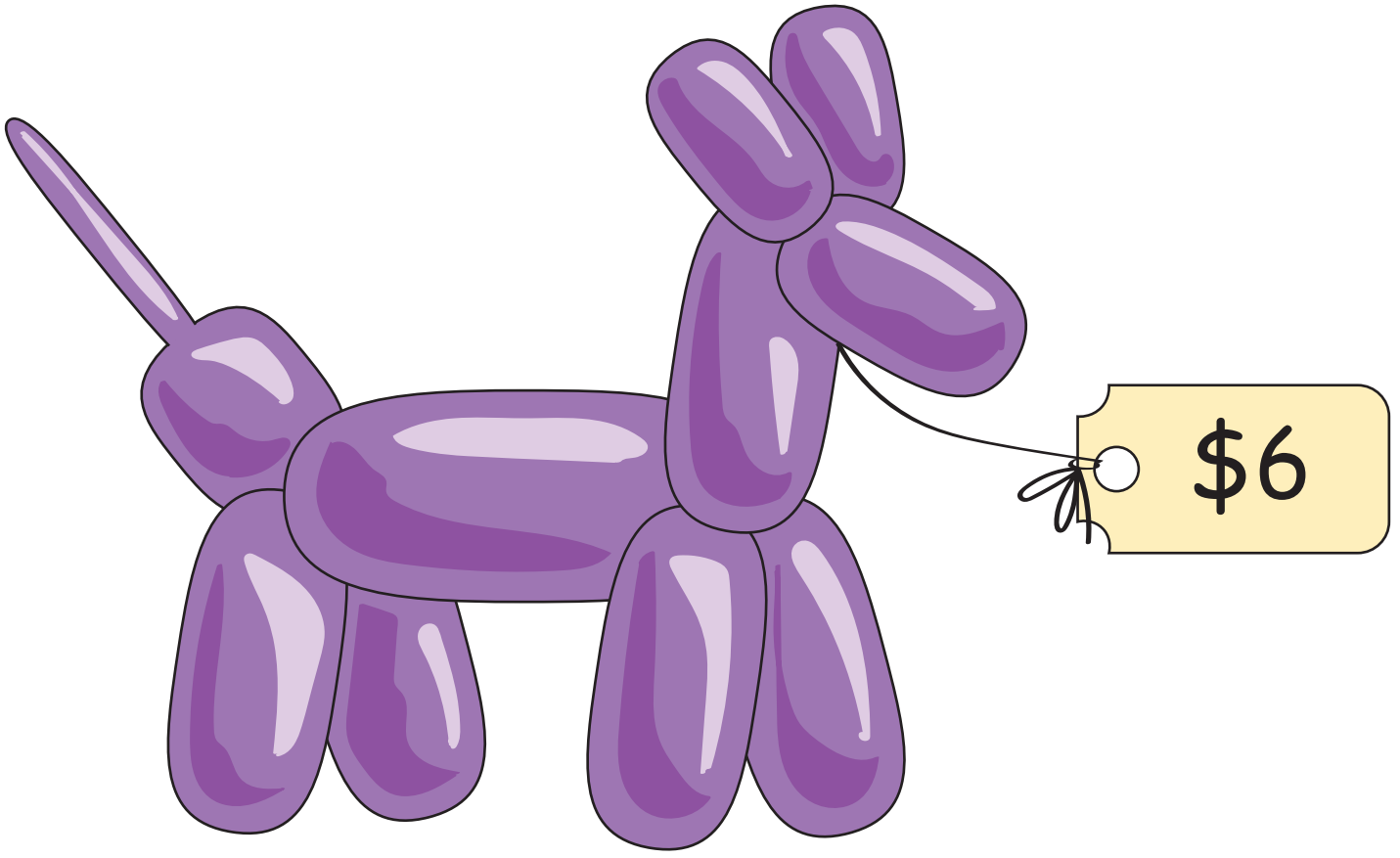


8b

The amount of gas he used increased by 10 gallons each week.

The amount of gas he used doubled each week.

The amount of gas he used increased by 5 gallons each week.



$6 + $6 + $6 = $18

10a

Number of Balloon Animals	Cost
3	$18
6	$36
9	$54
11	$66

One balloon animal costs $18.

Six balloon animals cost $36.

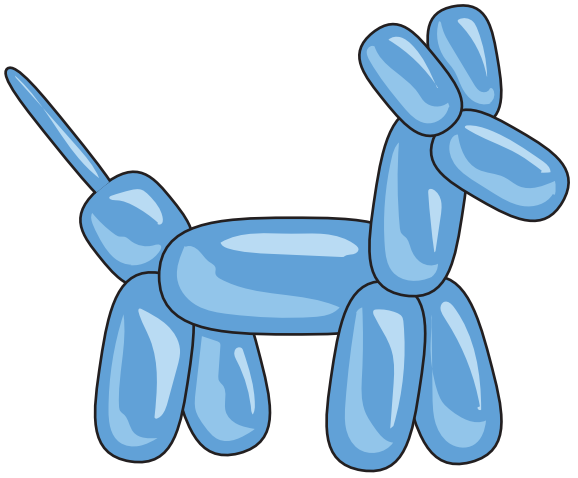
11a

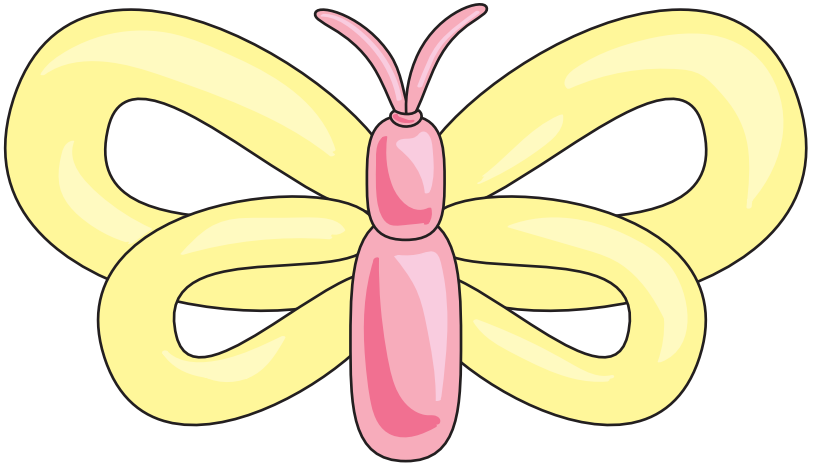
$$\$6 \times n = \$72$$

11b

$n = 12$	$n = 14$	$n = 66$

100% = 300 balloon animals





75% = 225 dogs

25% = ☐ butterflies

25

50

75

500 + 90 + 7

597

14a

$$1{,}643 = 1{,}000 + 600 + 40 + 3$$

2,862 = 2,862

2,862 = 2,000 + 800 + 60 + 2

15a

$$16 - (2 \times 7)$$

15b

16 - 9

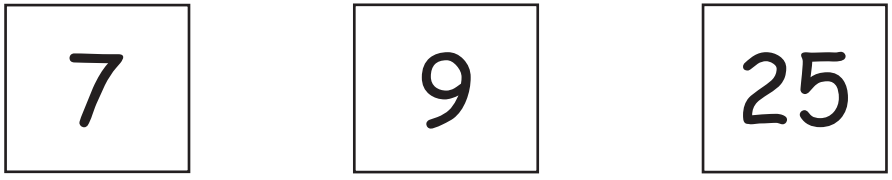
16 - 14

14 × 7

16a

$$20 - (2^2 + 9)$$

16b



_ × _ = 64

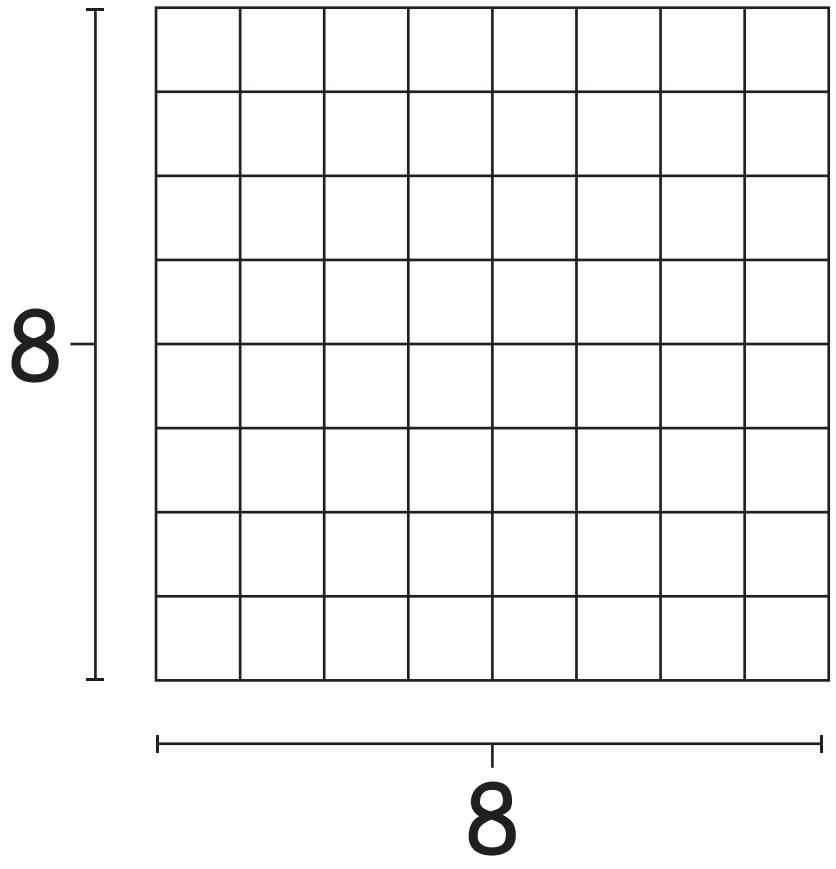
8 × 8 = 64

$$\underline{8} \times \underline{8} = 64$$

$10 \times 8 = 80$

$10 \times 10 = 100$

19a



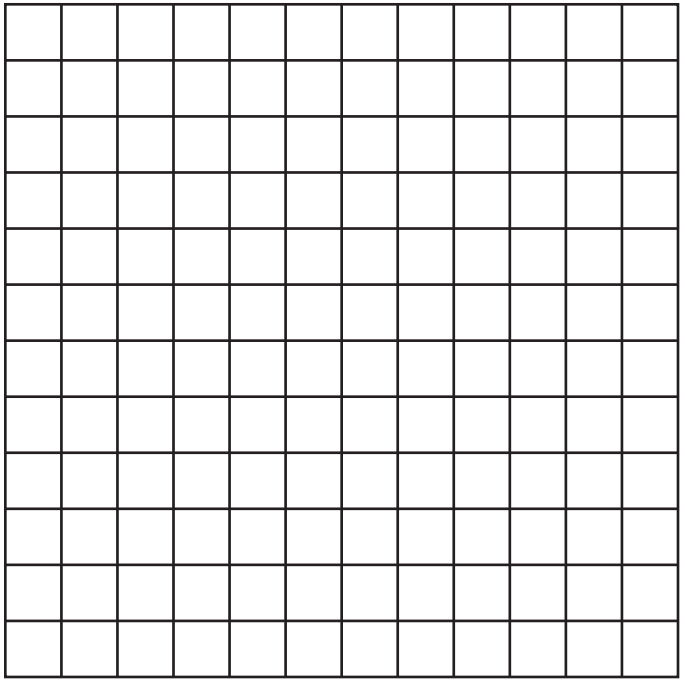
19b

$8 \div 8 = \_\_\_\_$

$8 + 8 = \_\_\_\_$

$8 \times 8 = \_\_\_\_$

20a



_____ × _____ = 144

20b

144 and 1

13 and 13

12 and 12

STAAR ALTERNATE 2
Algebra I
Spring 2025

1161607 1 2 3 4 5 A B C D E Printed in the USA ISD41759