

STUDENT NAME _____



State of Texas Assessments of Academic Readiness

GRADE 8
Mathematics
STAAR Alternate 2

Administered April 2023

RELEASED

MATHEMATICS



2a



2b



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3a



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The amount of money in her account will decrease.

The amount of money in her account will stay the same.

The amount of money in her account will increase.

4a



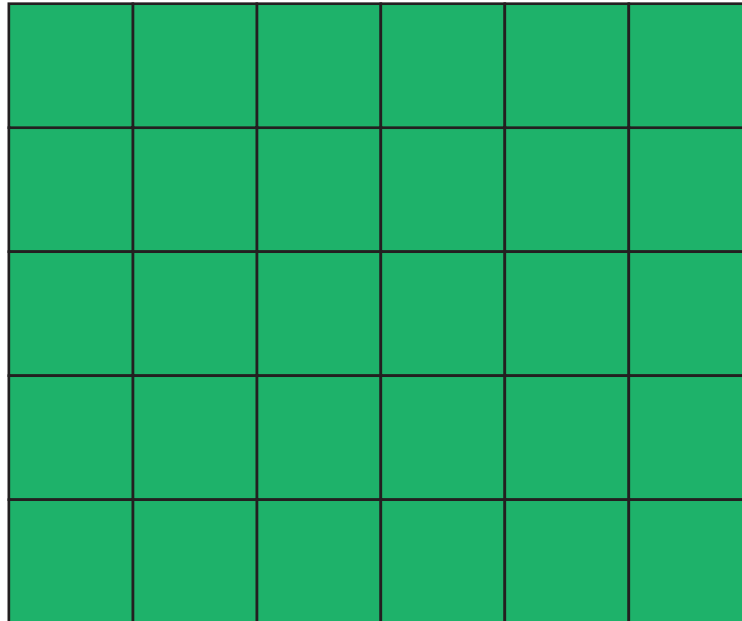
Put the money into a savings account that pays 1% interest.

Put the money into a savings account that pays 0% interest.

Put the money into a piggy bank.

6 unit squares

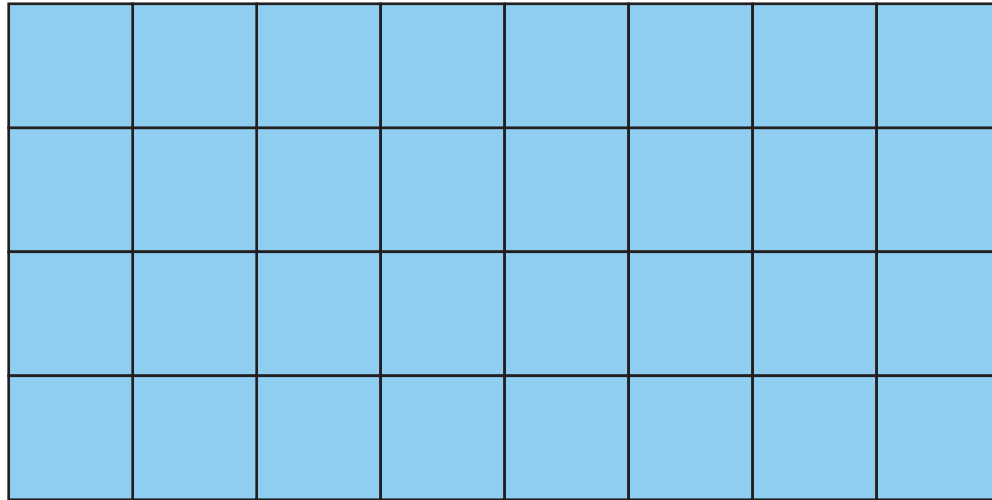
5 rows



6a

8 unit squares

4 rows



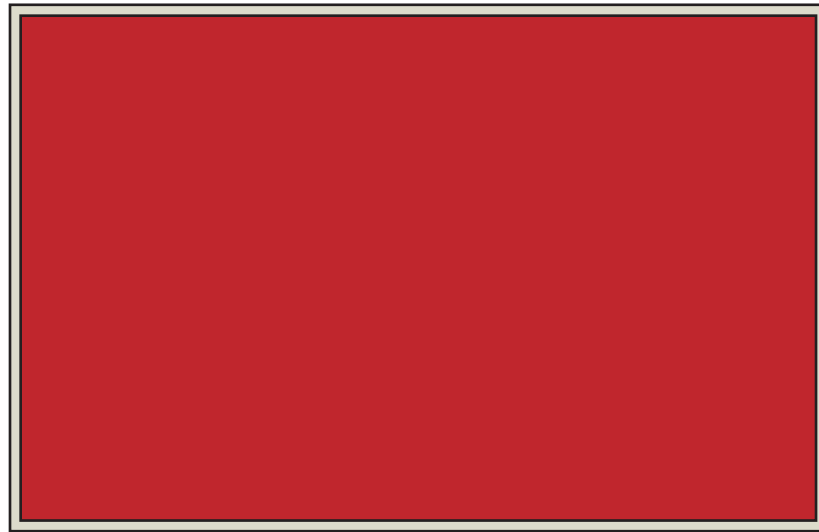
$$8 \div 4 = 2 \text{ square units}$$

$$8 \times 4 = 32 \text{ square units}$$

7a

14 feet

9 feet



length \times width = Area

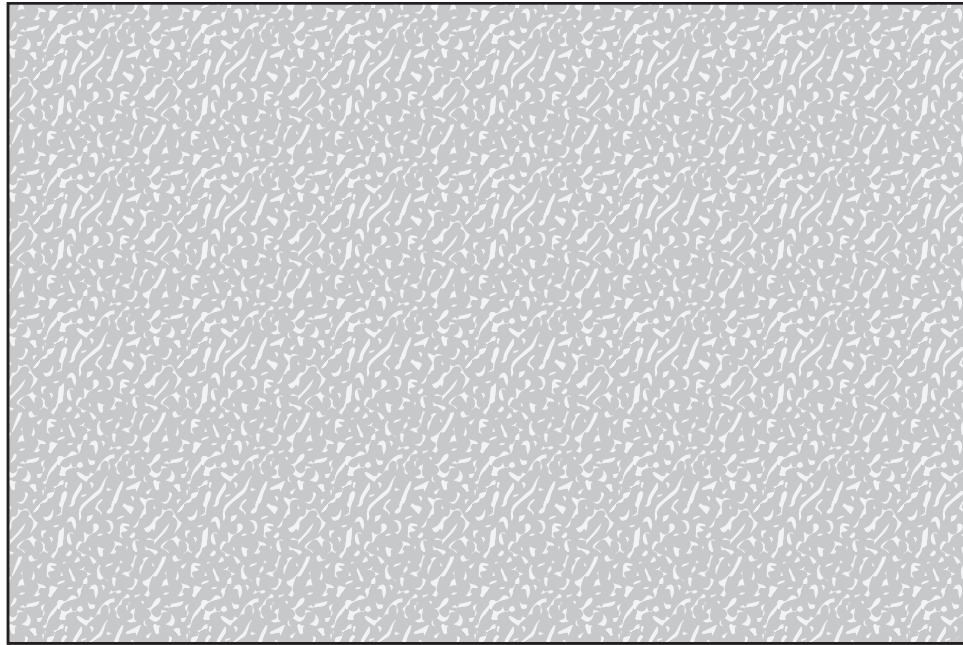
$$14 \times 14 = 196 \text{ square feet}$$

$$14 \times 9 = 126 \text{ square feet}$$

$$9 \times 9 = 81 \text{ square feet}$$

12 feet

_____ feet



length \times width = Area

12 feet \times _____ feet = 96 square feet

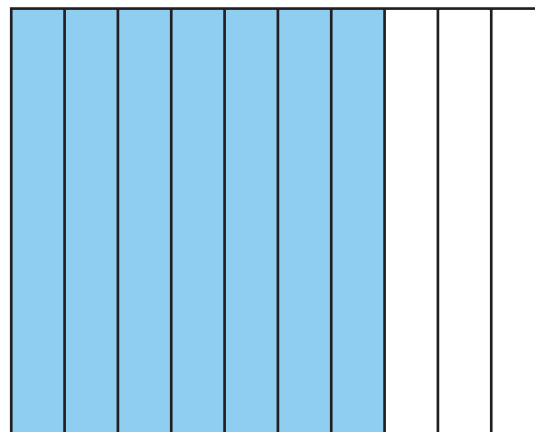
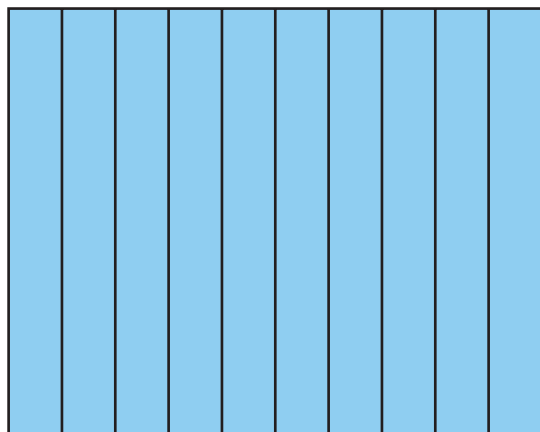
8b

108

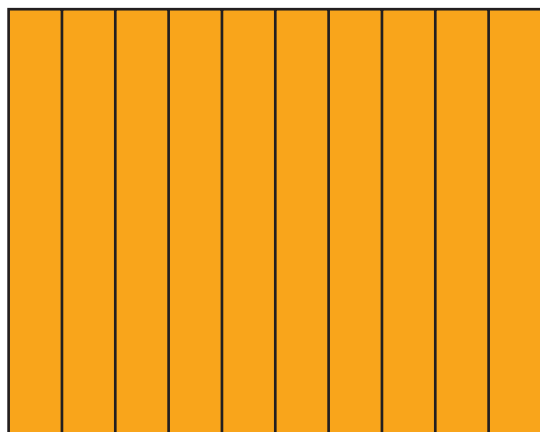
8

84

1.7

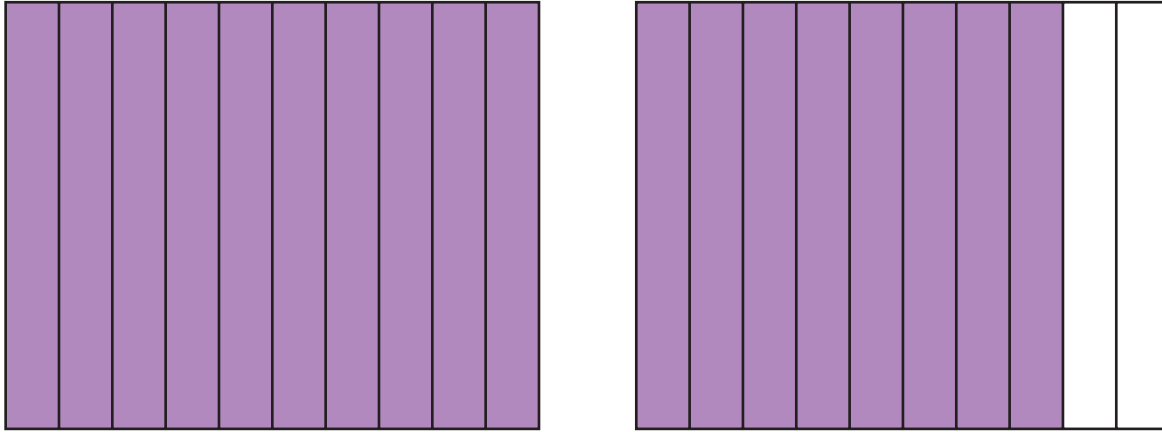


1.2

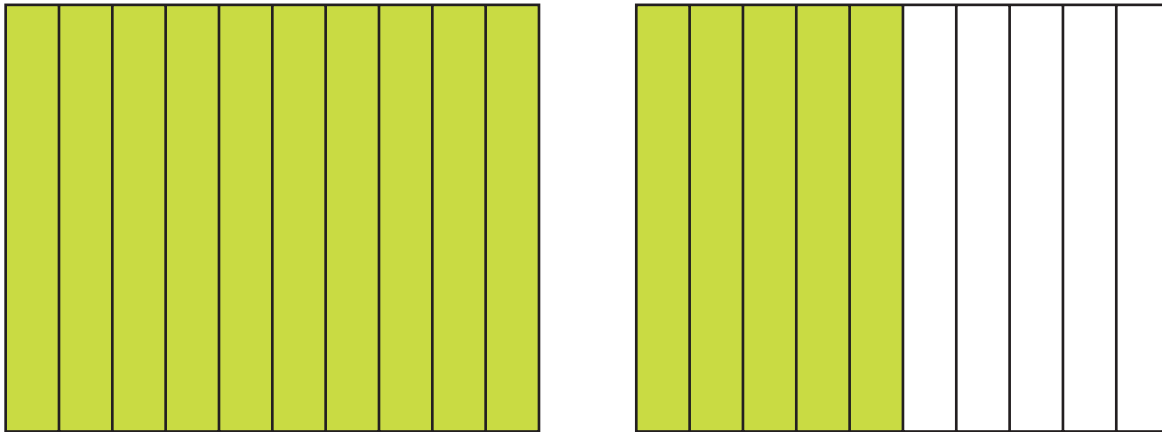


10a

1.8



1.5

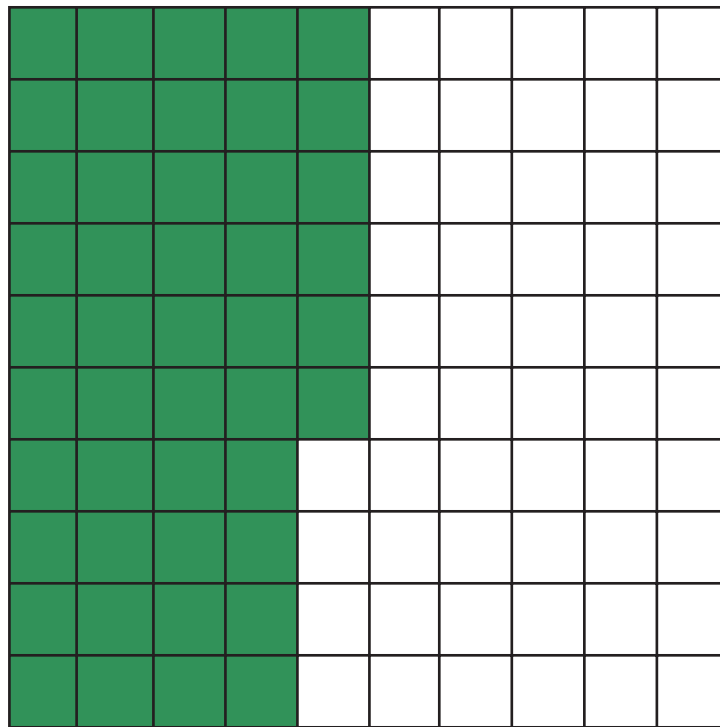


1.8

1.3

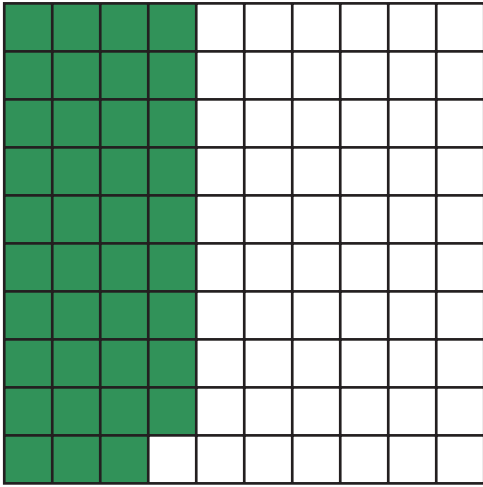
11a

0.46

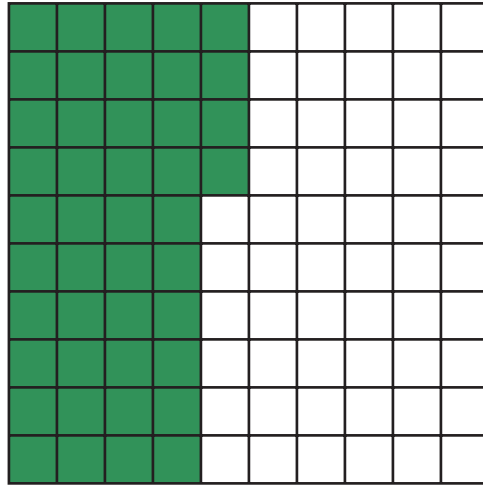


11b

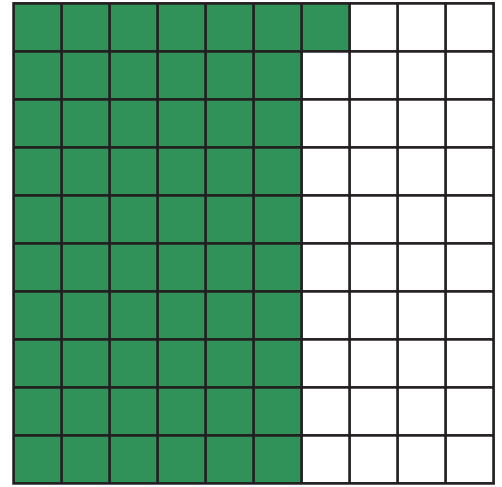
0.39



0.44



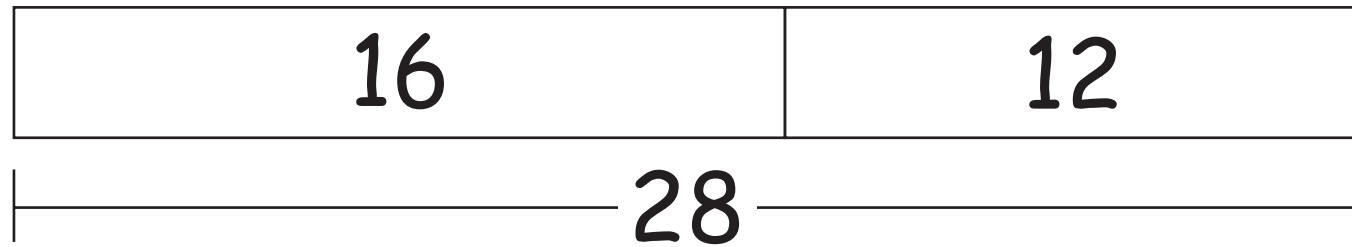
0.61



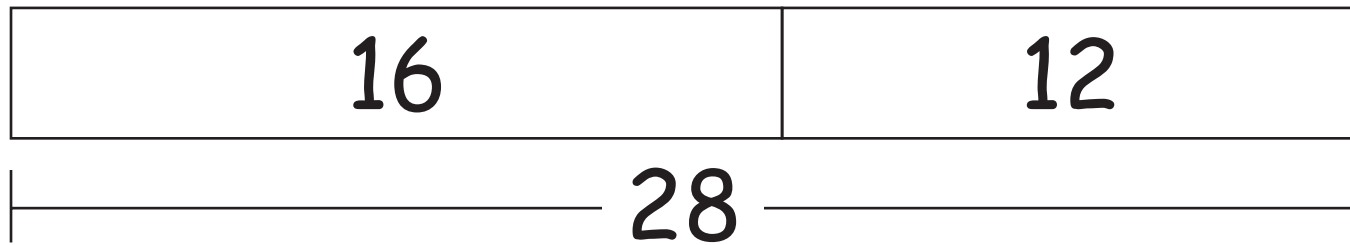
0.49 is greater than 0.6.

0.49 is equal to 0.6.

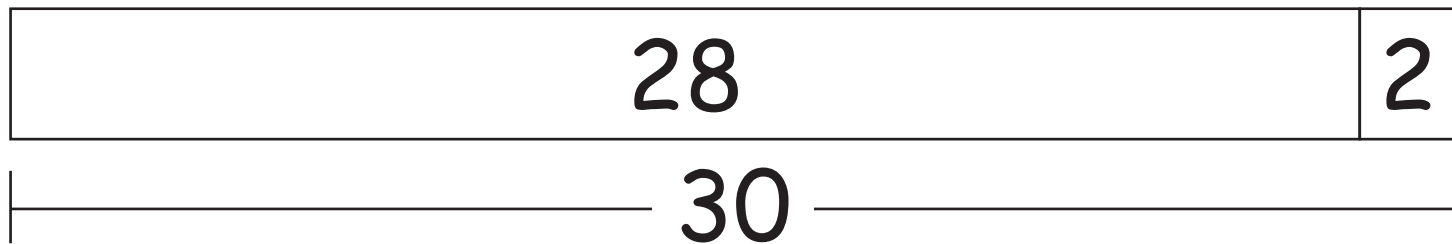
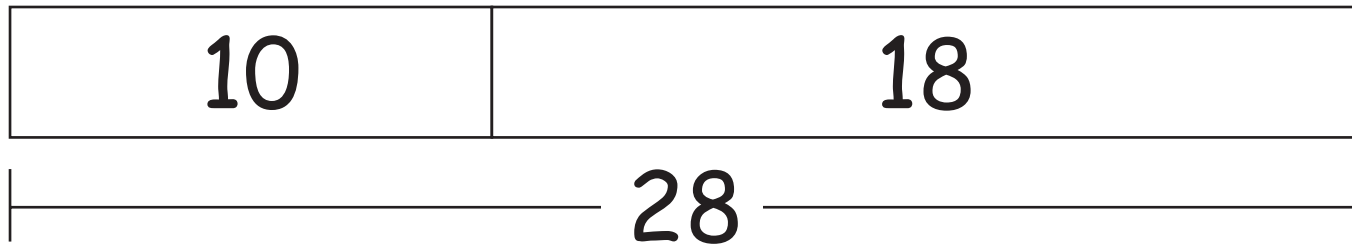
0.49 is less than 0.6.



14a



14b



15a

18	22	16
n		

15b

40

36

56

16a

165				
n	n	n	n	45

120

45

30

$$36 - 20 = 16$$

18a

$$82 + 76 - 60 = 98$$

$$98 + 22 - 20 = 100$$

$$76 + 100 - 78 = 98$$

19a

$$65 + 45 - 80 = n$$

$$n = 110$$

$$n = 190$$

$$n = 30$$

20a

$$(16 + 20) \div 3 = n$$

$$n = 12$$

$$n = 36$$

$$n = 39$$



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