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EDUCATION

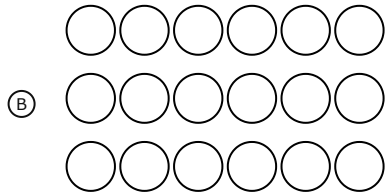
Ensuring a bright *future* for every child

Grade 3 Mathematics

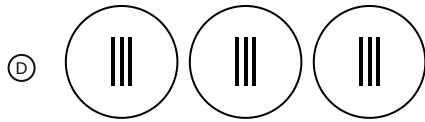
Sample Test Items

1. Harrison has 3 packs of baseball cards. Each pack has 6 cards.
Which choice represents the statement?

(A) $6 \times 6 \times 6$



(C) $6 + 6 + 6 + 6 + 6 + 6$



- 2.** Chloe has 72 flowers. She puts an equal number of flowers into 8 vases.

Which expression represents how many flowers are in each vase?

Ⓐ $72 \div 8$

Ⓑ $72 - 8$

Ⓒ $72 + 8$

Ⓓ 72×8

3. Chris and 4 friends each planted the same number of flowers. If Chris planted 6 flowers, how many flowers were planted in all?

Ⓐ 10

Ⓑ 11

Ⓒ 24

Ⓓ 30

4. Which equation has an unknown number equal to 2?

Ⓐ $0 \times 2 = \square$

Ⓑ $\square \div 2 = 4$

Ⓒ $10 \times \square = 20$

Ⓓ $10 \div \square = 2$

5. A teacher wrote an equation on the board.

$$42 \div \square = 7$$

What number makes the equation true?

Write the answer in the box.

6. The prices of items in the school store are shown.

- Pack of cap erasers: \$1
- Box of pencils: \$2
- Notebook: \$3
- Binder: \$5

Tony buys 3 boxes of pencils and 1 binder. How much money does Tony spend?

Write the answer in the box.

\$

7. Read the statements shown. Select the boxes to correctly identify each statement as true or false.

	True	False
The product of an even number and an odd number is always even.	<input type="radio"/>	<input type="radio"/>
The product of an even number and another even number is always odd.	<input type="radio"/>	<input type="radio"/>
The product of an odd number and another odd number is always odd.	<input type="radio"/>	<input type="radio"/>

8. Which numbers have a value of 500 when rounded to the nearest 10?

Select **two** answer choices.

Ⓐ 486

Ⓑ 495

Ⓒ 504

Ⓓ 513

Ⓔ 528

9. What does $804 - 134$ equal?

Write the answer in the box.

10. Find the product.

$$4 \times 80 = \square$$

Ⓐ 24

Ⓑ 32

Ⓒ 240

Ⓓ 320

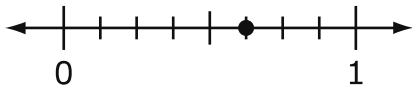
11. Joel plants a garden. He plants roses, daisies, and tulips. The diagram shows how Joel plants his garden.

Roses	Daisies	Tulips
Roses	Tulips	Tulips

Select the boxes that correctly identify each statement as true or false.

	True	False
The part of the garden planted with roses is $\frac{2}{4}$.	<input type="radio"/>	<input type="radio"/>
Each section of the garden is $\frac{1}{6}$ of the whole.	<input type="radio"/>	<input type="radio"/>
The part of the garden planted with tulips is $\frac{3}{6}$.	<input type="radio"/>	<input type="radio"/>
Daisies and tulips make up $\frac{4}{2}$ of the garden.	<input type="radio"/>	<input type="radio"/>

12. Emily drew a point on the number line below.



What fraction shows where the point is located on the number line?

(A) $\frac{3}{8}$

(B) $\frac{5}{8}$

(C) $\frac{8}{5}$

(D) $\frac{5}{1}$

13. Which fractions are equivalent to 2?

Select **two** answer choices.

Ⓐ $\frac{2}{1}$

Ⓑ $\frac{2}{2}$

Ⓒ $\frac{2}{3}$

Ⓓ $\frac{6}{3}$

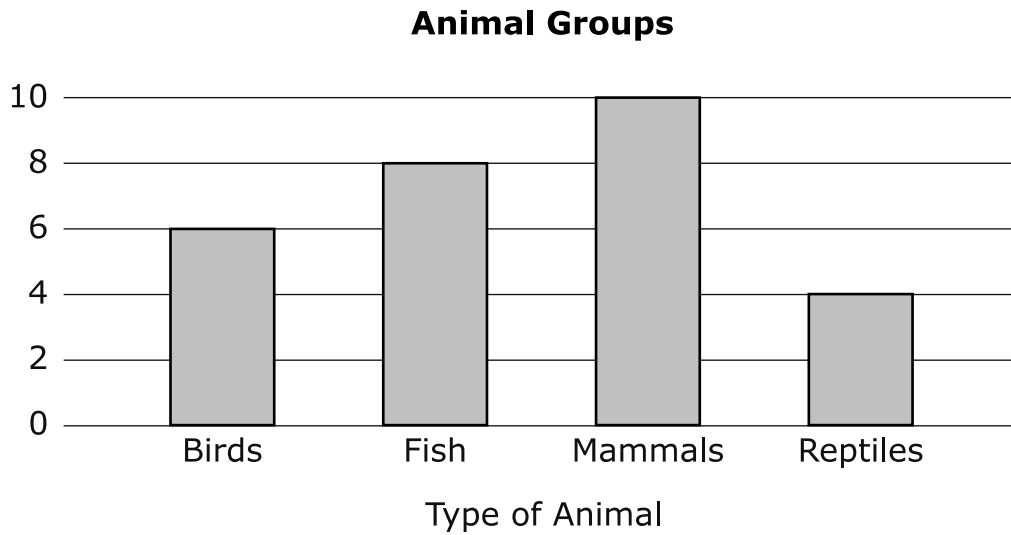
Ⓔ $\frac{7}{3}$

- 14.** The total volume of 7 bottles of juice is 21 liters. Each bottle has the same volume. What is the volume of 1 bottle?

Write the answer in the box.

 liters

15. A third grade class sorted animals into groups.



How many more mammals and birds are there than reptiles?

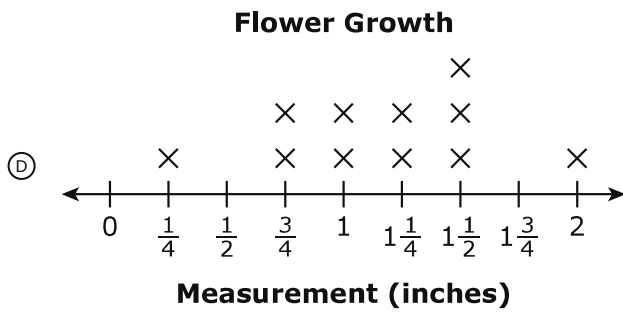
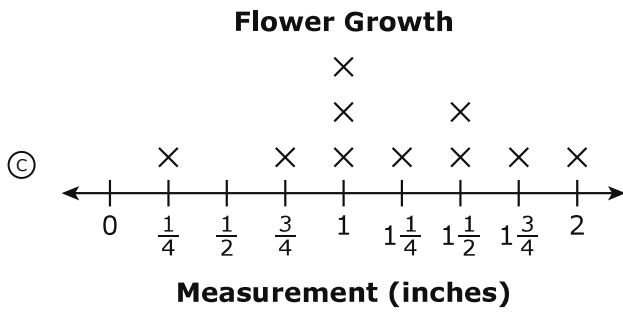
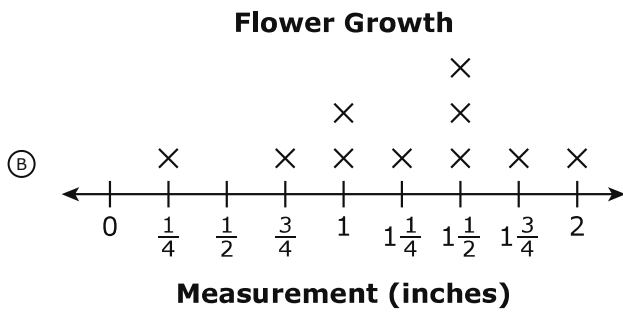
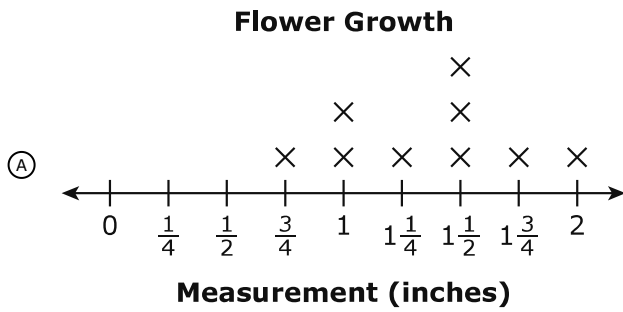
Write the answer in the box.

- 16.** Mrs. Red’s class measured the growth of the flowers in their garden. The data shows the recorded measurements of ten flowers.

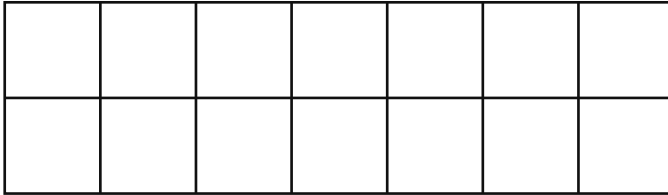
Flower Growth

$1\frac{1}{2}$ in.	2 in.
1 in.	$1\frac{1}{4}$ in.
$1\frac{3}{4}$ in.	$1\frac{1}{2}$ in.
1 in.	$\frac{1}{4}$ in.
$\frac{3}{4}$ in.	$1\frac{1}{2}$ in.

Which line plot represents the data?



- 17.** Riley buys a rug for her hallway. The rug can be covered with 14 unit squares. There are no gaps or overlaps.

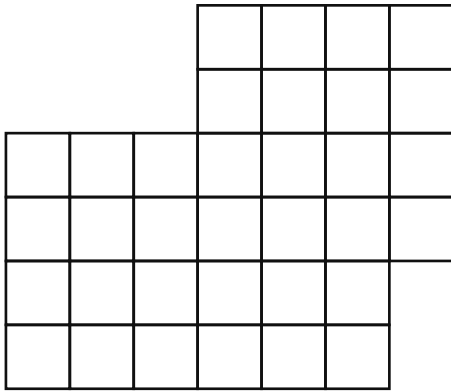



What is the area of the rug?

Write the answer in the box.

	square units
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18. What is the area, in square units, of the figure?

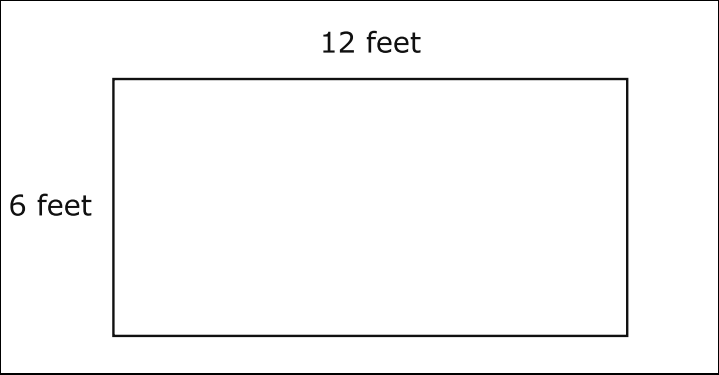
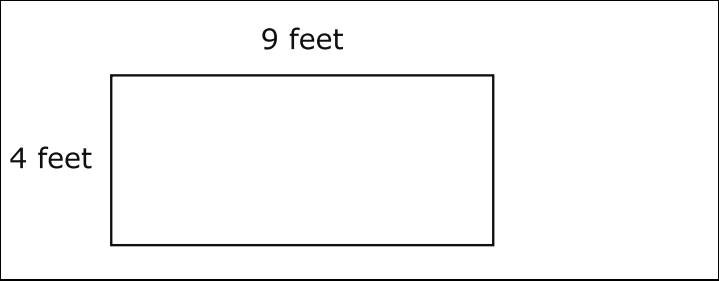
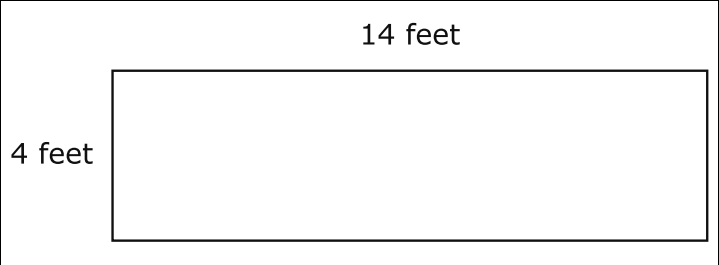


 = 1 square unit

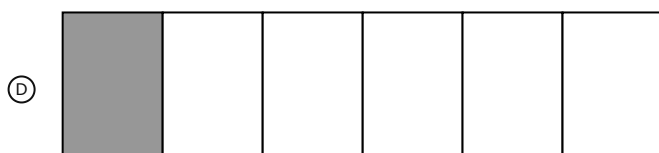
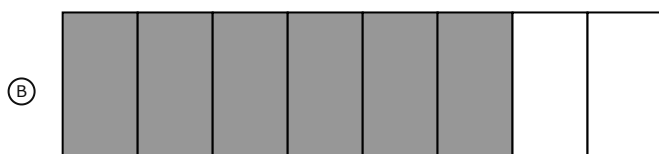
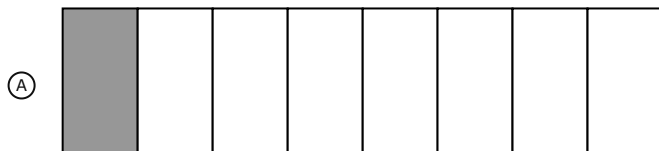
- Ⓐ 34 square units
- Ⓑ 36 square units
- Ⓒ 40 square units
- Ⓓ 42 square units

19. A rectangular garden has a perimeter of 36 feet.

Select a box in each row to show if the figure can represent the garden.

	Yes	No
	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/>	<input type="radio"/>

20. Which model represents $\frac{1}{6}$ as the shaded part?



**Grade 3 Math Sample Test Items
Paper-Pencil Answer Key Document**

Sequence	Key	Standard	Possible Points
1	B	3.OA.1	1
2	A	3.OA.2	1
3	D	3.OA.3	1
4	C	3.OA.4	1
5	6	3.OA.6	1
6	11	3.OA.8	1
7	1,4,5	3.OA.9	2
8	B,C	3.NBT.1	1
9	670	3.NBT.2	1
10	D	3.NBT.3	1
11	2,3,5,8	3.NF.1	1
12	B	3.NF.2	1
13	A,D	3.NF.3	1
14	3	3.MD.2	1
15	12	3.MD.3	1
16	B	3.MD.4	1
17	14	3.MD.5	1
18	A	3.MD.6	1
19	1,4,5	3.MD.8	1
20	D	3.G.2	1