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Grade 4 Mathematics

Sample Test Items

1. Which statements match the equation $45 = 9 \times 5$?

Select **two** answer choices.

Ⓐ 45 is 9 times as many as 5.

Ⓑ 45 times 9 is 5.

Ⓒ 45 is 5 times as many as 9.

Ⓓ 45 times 5 is 9.

Ⓔ 45 is 9 more than 5.

- 2.** Kelsey gives Champ 5 dog treats. Then she puts treats into 2 bags to give Champ over the weekend. She puts 8 in each bag.

How many dog treats will Champ get in all?

Ⓐ 11

Ⓑ 13

Ⓒ 16

Ⓓ 21

3. Jon is thinking of a composite number that has exactly four factors.
What is Jon's number?

Ⓐ 2

Ⓑ 10

Ⓒ 12

Ⓓ 18

4. Which numbers would be included in this pattern if the pattern continued?

3, 6, 9, 12, 15

Select **two** answer choices.

Ⓐ 23

Ⓑ 32

Ⓒ 45

Ⓓ 54

Ⓔ 61

5. Fill in the blank with the value that correctly completes the statement.

Jayla looks at the numbers 5,328 and 8,250 and compares the digit 2 in each number. She notices that the 2 in 8,250 has a value that is

times larger than the value of the 2 in 5,328.

6. Which expressions would have an estimate of 100 for the sum when the addends are rounded to the tens place?

Select **two** answer choices.

Ⓐ $47 + 45$

Ⓑ $46 + 60$

Ⓒ $73 + 24$

Ⓓ $65 + 24$

Ⓔ $63 + 37$

7. What is the sum of 175,326 and 328,116?

Write the answer in the box.

8. What is the product of 56×72 ?

Ⓐ 454

Ⓑ 504

Ⓒ 3,622

Ⓓ 4,032

9. Find the quotient.

$$9,472 \div 4$$

Write the answer in the box.

10. Which fractions are equivalent to $\frac{3}{4}$?

Select **two** answer choices.

Ⓐ $\frac{2}{6}$

Ⓑ $\frac{4}{6}$

Ⓒ $\frac{6}{8}$

Ⓓ $\frac{8}{10}$

Ⓔ $\frac{9}{12}$

11. Which expressions have a value of 7?

Select **two** answer choices.

Ⓐ $11\frac{7}{8} - 4\frac{7}{8}$

Ⓑ $2\frac{4}{5} + 4\frac{1}{5}$

Ⓒ $11\frac{5}{8} - 5\frac{3}{8}$

Ⓓ $4\frac{3}{6} + 3\frac{3}{6}$

Ⓔ $5\frac{4}{7} + 2\frac{3}{7}$

- 12.** Six friends were painting the walls of a bedroom. Each friend painted $\frac{1}{3}$ of a wall. How many total walls were painted?

Ⓐ $6 \times \frac{1}{3} = \frac{1}{18}$

Ⓑ $6 \times \frac{1}{3} = \frac{6}{3}$

Ⓒ $6 \times \frac{1}{3} = \frac{6}{18}$

Ⓓ $6 \times \frac{1}{3} = \frac{7}{9}$

- 13.** Select the box in each row that shows if each comparison is true or false.

	True	False
$3.4 < 3.23$	<input type="radio"/>	<input type="radio"/>
$0.80 > 0.8$	<input type="radio"/>	<input type="radio"/>
$2.05 < 2.7$	<input type="radio"/>	<input type="radio"/>
$0.68 < 0.9$	<input type="radio"/>	<input type="radio"/>

14. Josiah climbs a ladder that is 6 feet tall. How many inches tall is the ladder?

Ⓐ 18 inches

Ⓑ 36 inches

Ⓒ 72 inches

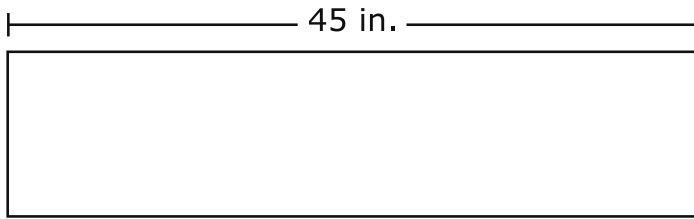
Ⓓ 96 inches

- 15.** Alex makes 9 quarts of punch for his party. How many pints are there in 9 quarts?

Write the answer in the box.

 pints

- 16.** The diagram shown represents a piece of fabric with a length of 45 inches.



The perimeter of the fabric is 110 inches. What is the area, in square inches, of the fabric?

Write the answer in the box.

square inches

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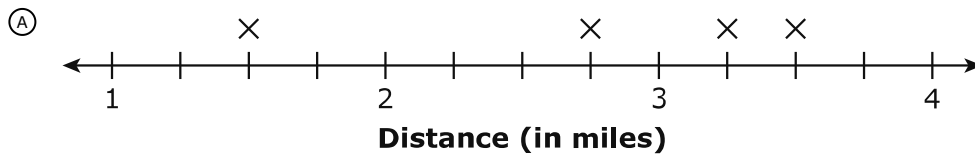
17. The table shows the number of miles Morgan walked each day of a week.

Number of Miles

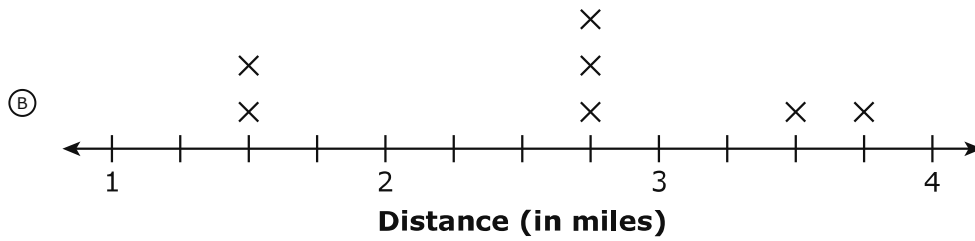
Days	Distance (in miles)
Monday	$2\frac{3}{4}$
Tuesday	$2\frac{3}{4}$
Wednesday	$1\frac{1}{2}$
Thursday	$2\frac{3}{4}$
Friday	$3\frac{1}{4}$
Saturday	$1\frac{1}{2}$
Sunday	$3\frac{1}{2}$

Which line plot represents Morgan's data?

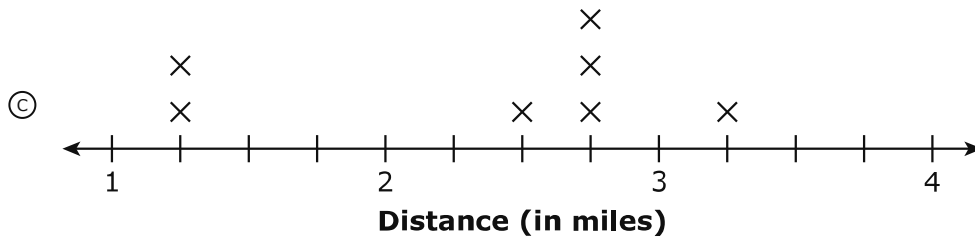
Number of Miles



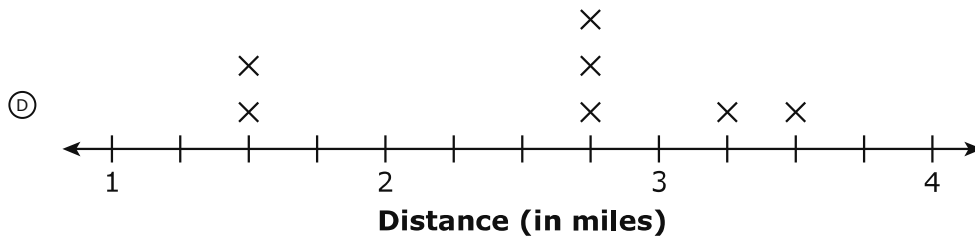
Number of Miles



Number of Miles



Number of Miles



18. An angle is made up of 79 one-degree angles. What is the measure of the angle?

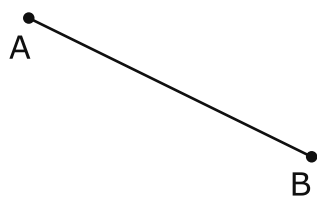
Ⓐ 79 degrees

Ⓑ 80 degrees

Ⓒ 191 degrees

Ⓓ 281 degrees

19. What is the name for the figure shown?



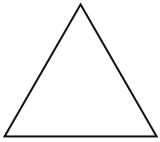
Ⓐ ray

Ⓑ line

Ⓒ intersection

Ⓓ line segment

20. Look at the figure.



How many line(s) of symmetry does this figure have?

Ⓐ 0

Ⓑ 1

Ⓒ 2

Ⓓ 3

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**Grade 4 Math Sample Test Items
Paper-Pencil Answer Key Document**

Sequence	Key	Standard	Possible Points
1	A,C	4.OA.1	1
2	D	4.OA.3	1
3	B	4.OA.4	1
4	C,D	4.OA.5	1
5	10	4.NBT.1	1
6	A,E	4.NBT.3	1
7	503,442	4.NBT.4	1
8	D	4.NBT.5	1
9	2,368	4.NBT.6	1
10	C,E	4.NF.1	1
11	A,B	4.NF.3	1
12	B	4.NF.4	1
13	2,4,5,7	4.NF.7	2
14	C	4.MD.1	1
15	18	4.MD.2	1
16	450	4.MD.3	1
17	D	4.MD.4	1
18	A	4.MD.5	1
19	D	4.G.1	1
20	D	4.G.3	1