Name _____

Grade **5**
Readiness Test

1. In which number is the value of the underlined digit ten times the value of the bold digit?

Ⓐ 5**0**

Ⓑ 5,00**0**

Ⓒ 5,**5**00

Ⓓ 50,**5**00

2. Find the product.

48×28

Ⓐ 1,500

Ⓑ 1,344

Ⓒ 800

Ⓓ 76

3. Multiply.

3×47

Ⓐ 50

Ⓑ 121

Ⓒ 141

Ⓓ 150

4. Which lists multiples of 8?

Ⓐ 8, 16, 24, 46

Ⓑ 8, 16, 24, 48

Ⓒ 8, 15, 32, 50

Ⓓ 8, 16, 40, 63

5. Gail ran $4\frac{6}{10}$ miles on Saturday and $6\frac{8}{10}$ miles on Sunday. How many miles did Gail run over the weekend?

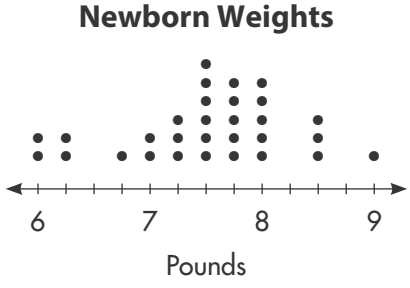
Ⓐ 11 miles

Ⓑ $10\frac{14}{10}$ miles

Ⓒ $11\frac{4}{10}$ miles

Ⓓ $14\frac{2}{10}$ miles

6. The weights of babies born at a hospital in November are shown in a line plot. How many more babies weighed $8\frac{1}{2}$ pounds than $6\frac{1}{4}$ pounds?



Ⓐ 1 baby

Ⓑ 2 babies

Ⓒ 3 babies

Ⓓ 4 babies

7. Round 43,628 to the thousands place.

Ⓐ 40,000

Ⓑ 43,000

Ⓒ 43,600

Ⓓ 44,000

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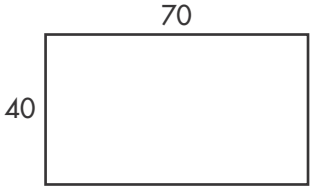
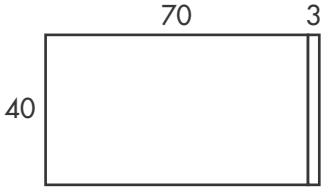
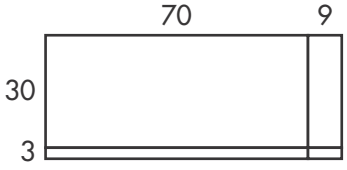
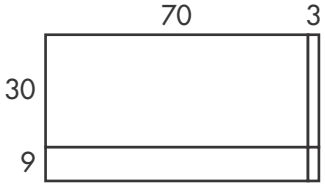
8. Which area model can you use to find 39×73?

Ⓐ


Ⓑ


Ⓒ


Ⓓ


9. Use an estimate to decide if the answer is reasonable. If the answer is not reasonable, find the actual quotient.

$$9\overline{)7{,}341} \quad 621 \text{ R}2$$

Ⓐ The answer is reasonable.

Ⓑ No; 815 R6

Ⓒ No; 815 R5

Ⓓ No; 815 R4

10. Which comparison is correct?

Ⓐ $\frac{2}{10} > \frac{3}{5}$

Ⓑ $\frac{2}{4} > \frac{4}{8}$

Ⓒ $\frac{2}{3} < \frac{10}{12}$

Ⓓ $\frac{9}{12} < \frac{3}{6}$

11. Which decimal makes the comparison true?

$7.68 >$ _____

Ⓐ 8.81

Ⓑ 8.68

Ⓒ 7.86

Ⓓ 7.56

12. Which of the following letters is **NOT** line symmetric?

Ⓐ A

Ⓑ E

Ⓒ G

Ⓓ Y

13. Find the sum.

$8{,}852 + 4{,}113$

Ⓐ 11,956

Ⓑ 12,865

Ⓒ 12,965

Ⓓ 13,065

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14. Brandy made 7 batches of cookies. Each batch contained 12 cookies. She put the same number of cookies in each of 5 bags. How many cookies were not put in bags?

Ⓐ 16 cookies

Ⓑ 12 cookies

Ⓒ 4 cookies

Ⓓ 2 cookies

15. Ellen is making jewelry sets that contain a bracelet and a pair of earrings. Each bracelet uses 3 times as many beads as one earring. Ellen uses 13 beads for each earring. How many beads does Ellen need to make one jewelry set?

Ⓐ 13 beads

Ⓑ 39 beads

Ⓒ 52 beads

Ⓓ 65 beads

16. Inez and Joel work at a store that sells cell phones. Inez worked for 7 hours and 23 minutes. Joel worked for 4 hours and 51 minutes. How much longer did Inez work than Joel?

Ⓐ 2 hours 32 minutes

Ⓑ 12 hours 14 minutes

Ⓒ 3 hours 28 minutes

Ⓓ 3 hours 32 minutes

17. Which is the same length as 4 kilometers?

Ⓐ 4,000 meters

Ⓑ 4,000 centimeters

Ⓒ 4,000 millimeters

Ⓓ 40,000 millimeters

18. The following are rules for repeating patterns. For which rule will the 12^{th} shape be a circle?

Ⓐ Triangle, Circle, Square

Ⓑ Circle, Square

Ⓒ Rectangle, Circle

Ⓓ Circle, Circle, Triangle

19. Subtract.

50,032 − 17,956

Ⓐ 47,924

Ⓑ 42,976

Ⓒ 32,136

Ⓓ 32,076

20. Nick cut a circular cookie into 5 equal slices. What is the angle measure of each slice?

Ⓐ 36°

Ⓑ 72°

Ⓒ 108°

Ⓓ 144°

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21. Franco made a dozen muffins for his party. Upon taking them out of the oven, he noticed that 2 of the muffins were badly burned. Franco served $\frac{7}{10}$ of the remaining muffins. Which equation shows the fraction of the non-burned muffins that remains?

Ⓐ $\frac{12}{12} - \frac{7}{12} = \frac{5}{12}$

Ⓑ $\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$

Ⓒ $\frac{12}{12} - \frac{5}{12} = \frac{7}{12}$

Ⓓ $\frac{10}{10} - \frac{3}{10} = \frac{7}{10}$

22. Which expression does **NOT** equal $\frac{10}{12}$?

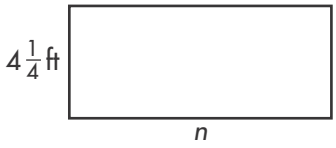
Ⓐ $\frac{5}{12} + \frac{5}{12}$

Ⓑ $\frac{3}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{1}{12}$

Ⓒ $\frac{4}{12} + \frac{3}{12} + \frac{2}{12} + \frac{1}{12}$

Ⓓ $\frac{5}{12} + \frac{4}{12} + \frac{3}{12} + \frac{2}{12} + \frac{1}{12}$

23. The perimeter of the dining room table shown below is 23 feet. What is the missing side length?



Ⓐ 14 feet

Ⓑ $7\frac{2}{4}$ feet

Ⓒ $7\frac{1}{4}$ feet

Ⓓ 7 feet

24. Mandy used the rule "Add 6" to make a pattern. She started with 20 and wrote the next 5 numbers in her pattern. Which number does **NOT** belong in Mandy's pattern?

Ⓐ 26

Ⓑ 32

Ⓒ 38

Ⓓ 43

25. Find the product.

$2{,}715 \times 7$

Ⓐ 14,025

Ⓑ 15,500

Ⓒ 19,005

Ⓓ 21,000

26. Find the quotient.

$463 \div 6$

Ⓐ 72

Ⓑ 77

Ⓒ 77 R1

Ⓓ 707 R1

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27. Which fraction is **NOT** equivalent to the point shown on the number line?

Ⓐ $\frac{3}{5}$

Ⓑ $\frac{6}{10}$

Ⓒ $\frac{60}{100}$

Ⓓ $\frac{10}{12}$

28. Hakim is making birdhouses. Each birdhouse uses $\frac{7}{8}$ yard of wood. What is the total length of wood Hakim will need to build 5 birdhouses?

Ⓐ $4\frac{3}{8}$ yards

Ⓑ $5\frac{7}{8}$ yards

Ⓒ $1\frac{4}{8}$ yards

Ⓓ $9\frac{2}{8}$ yards

29. Liam bought pizza and wings for $27.58. How much change should Liam receive if he gave the clerk three $10-bills? Use coins and bills to help solve.

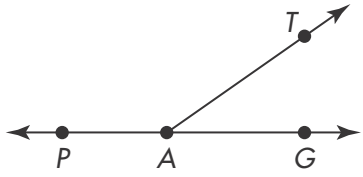
Ⓐ $1.52

Ⓑ $2.42

Ⓒ $2.52

Ⓓ $12.42

30. Which geometric term describes $\angle TAG$?



Ⓐ Acute

Ⓑ Obtuse

Ⓒ Right

Ⓓ Straight

31. Which are the partial products of 3,706 × 4?

Ⓐ 1,200 280 10

Ⓑ 1,200 280 24

Ⓒ 12,000 2,800 24

Ⓓ 12,000 280 24

32. Find the product.

57 × 34

Ⓐ 399

Ⓑ 1,238

Ⓒ 1,921

Ⓓ 1,938

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33. Which lists all the factors of 78?

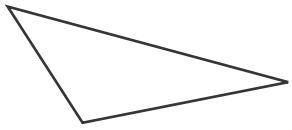
Ⓐ 1, 2, 3, 6, 13, 26, 39, 78

Ⓑ 1, 2, 4, 19, 39, 78

Ⓒ 1, 2, 6, 13, 39, 78

Ⓓ 2, 3, 6, 13, 26, 39

34. Classify the triangle by its sides and by its angles.



Ⓐ Isosceles, Obtuse

Ⓑ Scalene, Obtuse

Ⓒ Isosceles, Acute

Ⓓ Scalene, Acute

35. A tree was 17 feet tall when it was planted. It grew 8 times that height in 15 years. How much taller is the tree than when it was planted?

Ⓐ 119 feet

Ⓑ 136 feet

Ⓒ 247 feet

Ⓓ 255 feet

36. Steve rounds his favorite number to the nearest hundred to get 400. Which of these could NOT be Steve's favorite number?

Ⓐ 396

Ⓑ 460

Ⓒ 448

Ⓓ 375

