Name Answer key Date _____

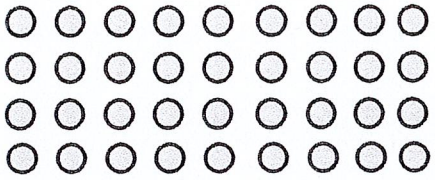
Benchmark Test 1 *(Chapters 1– 3)*

Read each question. Fill-in the correct answer.

1. Emily estimated that there were 6,428 buttons in a jar. The actual number was less than 6,428. How many buttons could have been in the jar?

Ⓐ 6,437 buttons
Ⓑ 6,519 buttons
● Ⓒ 6,418 buttons
Ⓓ 6,482 buttons

2. Jaysen used the array to find $4 \times 9 = 36$.



Which is a related fact in the same fact family?

Ⓕ $6 \times 6 = 36$
Ⓖ $12 + 24 = 36$
● Ⓗ $36 \div 9 = 4$
Ⓘ $36 \div 3 = 12$

3. The diameter of Earth is 12,756 kilometers. The diameter of Mars is 6,794 kilometers. About how many more kilometers is the diameter of Earth than Mars?

Ⓐ about 7,000 kilometers
● Ⓑ about 6,000 kilometers
Ⓒ about 5,000 kilometers
Ⓓ about 3,000 kilometers

4. What is 63,074 written in expanded form?

● Ⓕ $60,000 + 3,000 + 70 + 4$
Ⓖ $60,000 + 3,000 + 700 + 4$
Ⓗ $60,000 + 3,000 + 7 + 4$
Ⓘ $60,000 + 300 + 70 + 4$

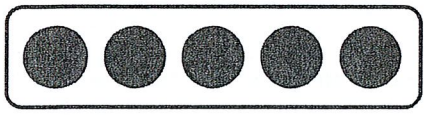
5. A rock shop has 1,378 natural rocks and 1,242 polished rocks. How many rocks are there in all?

Ⓐ 2,510 rocks
Ⓑ 2,520 rocks
Ⓒ 2,610 rocks
● Ⓓ 2,620 rocks

Name _____ Date _____

Benchmark Test 1 *(continued)*

6. Find the unknown.
4 times more



□ × 4 = 20

Ⓕ 6
Ⓖ 4
Ⓗ 5
Ⓘ 3

7. Arrow Park had 190,618 visitors last year. It had 144,970 visitors this year. How many more visitors did the park have last year than this year?

Ⓐ 45,648 visitors
Ⓑ 45,738 visitors
Ⓒ 46,648 visitors
Ⓓ 56,748 visitors

8. What is the standard form of eight hundred forty-two thousand, two?

Ⓕ 842,200
Ⓖ 842,002
Ⓗ 804,202
Ⓘ 80,422

9. Which number is 1,000 more than 18,627?

Ⓐ 18,727
Ⓑ 19,627
Ⓒ 17,627
Ⓓ 18,527

10. Which is an example of the Identity Property of Multiplication?

Ⓕ 23 × 1 = 23
Ⓖ 85 × 1 = 1
Ⓗ 26 × 3 = 3 × 26
Ⓘ 18 × 0 = 0

GO ON ▶

Name _____ Date _____

Benchmark Test 1 *(continued)*

11. The table shows the size of some major islands.

Island	**Size** (square km)
Great Britain	218,100
Honshu	227,400
Victoria	217,300

Which list shows the size of the islands in order from *least* to *greatest*?

Ⓐ Honshu, Great Britain, Victoria
Ⓑ Honshu, Victoria, Great Britain
Ⓒ Victoria, Great Britain, Honshu
Ⓓ Great Britain, Victoria, Honshu

12. Reya plays the guitar for 3 hours each lesson. She has 4 lessons each week. How many hours does Reya play the guitar after 5 weeks?

Ⓕ 17 hours
Ⓖ 23 hours
Ⓗ 50 hours
Ⓘ 60 hours

13. Eva is arranging 24 photos in an album. How many different ways can she arrange the photos so that the number of photos on each page is the same?

Ⓐ 8 ways
Ⓑ 6 ways
Ⓒ 4 ways
Ⓓ 2 ways

14. Victor has 6 more baseball cards than Jackson. Victor has 18 baseball cards. Which can be used to find the number of baseball cards Jackson has?

Ⓕ $6 + \square = 18; \square = 12$
Ⓖ $6 \times \square = 18; \square = 3$
Ⓗ $6 + 18 = \square; \square = 24$
Ⓘ $6 \times 18 = \square; \square = 108$

15. A website on animal tricks had 143,699 hits on Monday. What is this number rounded to the nearest ten thousand?

Ⓐ 100,000
Ⓑ 150,000
Ⓒ 145,000
Ⓓ 140,000

GO ON ▶

Name _____ Date _____

Benchmark Test 1 *(continued)*

16. The distance from San Diego to Beijing, China is about 10,257 kilometers. The distance from San Diego to Buenos Aires, Argentina is about 9,678 kilometers. How much farther is it to Beijing?

Ⓕ 579 kilometers
Ⓖ 589 kilometers
Ⓗ 689 kilometers
Ⓘ 1,579 kilometers

17. An animal shelter had 747 volunteer hours in May. It had 889 volunteer hours in June. Rounding to the nearest hundred, which number sentence represents a reasonable estimate of the total number of volunteer hours in May and June?

Ⓐ 700 + 700 = 1,400
Ⓑ 700 + 800 = 1,500
Ⓒ 700 + 900 = 1,600
Ⓓ 1,000 + 1,000 = 2,000

18. What is the place value of the digit 8 in the number 168,231?

Ⓕ hundreds
Ⓖ thousands
Ⓗ ten thousands
Ⓘ hundred thousands

19. Krista has 3 times as many red flowers as yellow flowers. There are 6 yellow flowers. How many red flowers does she have?

Ⓐ 3 red flowers
Ⓑ 6 red flowers
Ⓒ 18 red flowers
Ⓓ 21 red flowers

20. Bryce Canyon covers 35,835 acres. Canyonlands covers 337,598 acres. How many acres do the two parks cover in all?

Ⓕ 362,323 acres
Ⓖ 363,423 acres
Ⓗ 373,433 acres
Ⓘ 372,423 acres

Name _____ Date _____

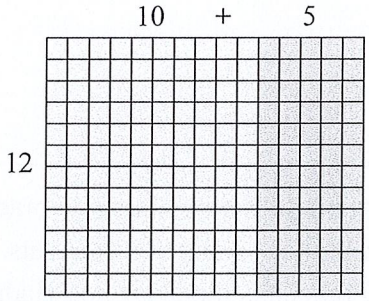
Benchmark Test 2 *(Chapters 4-6)*

Read each question. Fill-in the correct answer.

1. A Nile crocodile that weighs 386 pounds can eat up to 193 pounds of food at each feeding. About how many pounds of food can this crocodile eat in 4 feedings?

Ⓐ about 400 pounds
Ⓑ about 800 pounds
Ⓒ about 1,200 pounds
Ⓓ about 1,600 pounds

2. Ari used the model to multiply 12×15.



What is the product?

Ⓕ $120 + 70 = 190$
Ⓖ $120 + 60 = 180$
Ⓗ $100 + 60 = 160$
Ⓘ $100 + 50 = 150$

3. Find the unknown.

$9 \div 3 = 3$

$900 \div 3 = \square$

Ⓐ 30
Ⓑ 60
Ⓒ 300
Ⓓ 600

4. Lily drove 80 miles in 2 hours. If she drove at the same speed each hour, how many miles did she drive in 1 hour?

Ⓕ 4 miles
Ⓖ 20 miles
Ⓗ 40 miles
Ⓘ 160 miles

5. The speed of sound through seawater is 1,531 meters per second. How far does sound travel in seawater in 5 seconds?

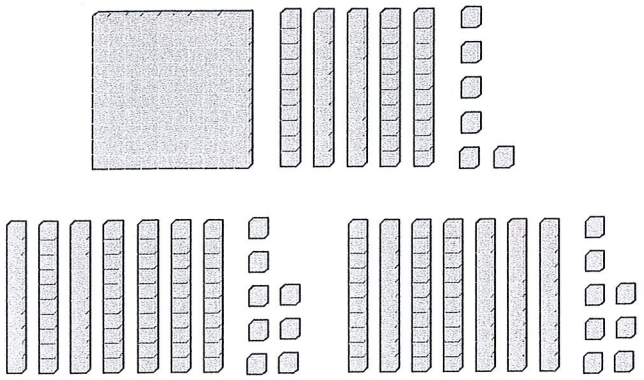
Ⓐ 5,555 meters
Ⓑ 5,655 meters
Ⓒ 7,555 meters
Ⓓ 7,655 meters

GO ON ▶

Name _____ Date _____

Benchmark Test 2 *(continued)*

6. Lashon is using a model to find $156 \div 2$.



Which division sentence represents the model?

Ⓕ $156 \div 2 = 78$
Ⓖ $156 \div 2 = 74$
Ⓗ $156 \div 2 = 70$ R8
Ⓘ $156 \div 2 = 68$

7. There are 26 people at a picnic. Ethan wants everyone to have about 3 cookies each. About how many cookies does he need to buy? Is an estimate or exact answer needed?

Ⓐ estimate; $3 \times 30 = 90$ cookies
Ⓑ exact; $3 \times 26 = 78$ cookies
Ⓒ estimate; $3 \times 20 = 60$ cookies
Ⓓ exact; $3 \times 26 = 68$ cookies

8. Sol sends 483 electronic newsletters each week. How many newsletters does he send in 9 weeks?

Ⓕ 3,627 newsletters
Ⓖ 3,647 newsletters
Ⓗ 4,127 newsletters
Ⓘ 4,347 newsletters

9. Ethan stores 8 comic books in one plastic bag. He has 533 comic books. How many bags does he need?

Ⓐ 64 bags
Ⓑ 66 bags
Ⓒ 67 bags
Ⓓ 70 bags

10. Zoey bought 2 times as many bracelets as Hada. Zoey bought 6 bracelets. How many bracelets did Zoey and Hada buy in all?

Ⓕ 9 bracelets
Ⓖ 12 bracelets
Ⓗ 18 bracelets
Ⓘ 72 bracelets

$\_ \times 2 = 6$

$3 + 6 = 9$

GO ON ▶

Name _____ Date _____

Benchmark Test 2 *(continued)*

11. Elena needs 14 yards of fabric to make one set of drapes for an auditorium. Which table can be used to show the number of yards of fabric needed for 20 drapes?

Ⓐ

drapes	5	10	15	20
fabric	70	140	210	280

Ⓑ

drapes	5	10	15	20
fabric	60	120	180	240

Ⓒ

drapes	5	10	15	20
fabric	140	145	150	155

Ⓓ

drapes	5	10	15	20
fabric	14	28	42	56

12. Mr. Jenkins equally divided 627 bales of hay among 3 pastures. How many bales of hay are in each pasture?

Ⓕ 29 bales
Ⓖ 209 bales
Ⓗ 290 bales
Ⓘ 299 bales

13. A garden center received 1,007 orders for roses. Each order costs $8. What is the total cost of the roses?

Ⓐ $856
Ⓑ $1,015
Ⓒ $8,506
Ⓓ $8,056

14. A store sold 5 cameras for $1,432. If each camera costs the same amount, about how much did each camera cost?

Ⓕ about $200
Ⓖ about $300
Ⓗ about $400
Ⓘ about $500

15. Mrs. Ruiz bought 47 kits for making model ships. Each kit contains 32 parts. How many parts are there in all?

Ⓐ 1,504 parts
Ⓑ 1,494 parts
Ⓒ 1,304 parts
Ⓓ 1,294 parts

GO ON ▶

Name _____ Date _____

Benchmark Test 2 *(continued)*

16. Fifty-three students from 32 different schools signed up for a multi-classroom project. About how many students signed up for the project?

Ⓕ about 2,000 students
Ⓖ about 1,800 students
Ⓗ about 1,600 students
Ⓘ about 1,500 students

17. A landscaper bought 8 boxes each of two types of grass seed. One box is 62 ounces. The other box is 70 ounces. The landscaper mixed the seeds and then patched 6 lawns. How many ounces of seed did the landscaper use per lawn, on average?

Ⓐ 93 ounces
Ⓑ 132 ounces
Ⓒ 168 ounces
Ⓓ 176 ounces

18. Which shows how to multiply 8×43 using the Distributive Property?

Ⓕ $8 \times 43 = (8 \times 40) + (8 \times 3)$
Ⓖ $8 \times 43 = (8 \times 40) \times (8 \times 3)$
Ⓗ $8 \times 43 = (8 + 40) \times (8 + 3)$
Ⓘ $8 \times 43 = (8 + 40) + (8 + 3)$

19. Eduardo collected 3 quarters each day for 21 days. How many quarters did Eduardo have after 21 days?

Ⓐ 18 quarters
Ⓑ 24 quarters
Ⓒ 42 quarters
Ⓓ 63 quarters

20. An African elephant ate 1,224 kilograms of food in 9 days. On average, how many kilograms is this each day?

Ⓕ 100 kilograms
Ⓖ 136 kilograms
Ⓗ 145 kilograms
Ⓘ 200 kilograms

Name _____ Date _____

Benchmark Test 3 *(Chapters 7-10)*

Read each question. Fill-in the correct answer.

1. What is the value of the unknown?

$(4 + 6) \div 2 = n$

Ⓐ $n = 5$
Ⓑ $n = 7$
Ⓒ $n = 8$
Ⓓ $n = 10$

$10 \div 2 = 5$

2. Dana wants to extend the pattern one unit. Which figures should she use?

Ⓕ 

Ⓖ 

Ⓗ 

Ⓘ 

3. Ned spent $\frac{5}{6}$ hour drawing a picture, and $\frac{1}{6}$ hour drawing a border on the picture. In simplest form, how much more time did he spend drawing the picture?

Ⓐ $\frac{1}{3}$ hour
Ⓑ $\frac{1}{2}$ hour
Ⓒ $\frac{2}{3}$ hour
Ⓓ 1 hour

4. In a pack of erasers, $\frac{2}{5}$ is pink and $\frac{1}{5}$ is blue. What fraction of the erasers is pink and blue?

Ⓕ $\frac{1}{5}$
Ⓖ $\frac{3}{5}$
Ⓗ $\frac{4}{5}$
Ⓘ $\frac{4}{10}$

5. Which three numbers have a common multiple of 12?

Ⓐ 2, 3, 5
Ⓑ 2, 4, 8
Ⓒ 3, 6, 8
Ⓓ 3, 4, 6

GO ON ▶

Name _____ Date _____

Benchmark Test 3 *(continued)*

6. Nick, Brendon, and Elliot entered a pie-eating contest. Nick ate $\frac{3}{4}$ of a pie. Brendon ate $\frac{5}{6}$ of a pie. Elliot ate $\frac{2}{3}$ of a pie. Which shows the fraction of pies eaten in order from *least* to *greatest*?

Ⓕ $\frac{5}{6}, \frac{3}{4}, \frac{2}{3}$

Ⓖ $\frac{2}{3}, \frac{3}{4}, \frac{5}{6}$

Ⓗ $\frac{2}{3}, \frac{5}{6}, \frac{3}{4}$

Ⓘ $\frac{3}{4}, \frac{5}{6}, \frac{2}{3}$

7. Jia needs $\frac{3}{4}$ cup of blueberries to make scones. How many cups of blueberries does she need to make 3 times as many scones?

Ⓐ $\frac{1}{4}$ cup

Ⓑ $1\frac{1}{2}$ cups

Ⓒ $2\frac{1}{4}$ cups

Ⓓ $3\frac{1}{4}$ cups

$\frac{3}{4} + \frac{3}{4} + \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$

8. Which is the next number in the pattern?
83, 78, 73, 68, 63, ____

Ⓕ 58

Ⓖ 53

Ⓗ 48

Ⓘ 43

9. The table shows the cost (c) of swim passes (p) at a pool. What equation describes the pattern?

Input (p)	2	4	6	8
Output (c)	28	56	84	112

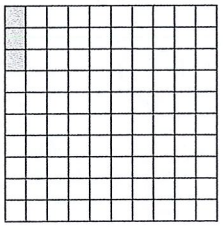
Ⓐ $p + 26 = c$

Ⓑ $p \times 28 = c$

Ⓒ $p \div 14 = c$

Ⓓ $p \times 14 = c$

10. What fraction and decimal name the shaded part of the model?



Ⓕ $\frac{3}{100}, 0.03$

Ⓖ $\frac{3}{100}, 0.3$

Ⓗ $\frac{3}{10}, 0.3$

Ⓘ $\frac{3}{10}, 0.03$

GO ON ▶

Name _____ Date _____

Benchmark Test 3 *(continued)*

11. The equation shown in the table can be used to find the output when the input is 1, 3, and 5.

$7 + (5 + x) \times 3 = y$	
Input (x)	**Output (y)**
1	
3	
5	

Which numbers complete the table?

Ⓐ 15, 21, 27
Ⓑ 16, 18, 21
Ⓒ 25, 31, 37
Ⓓ 39, 45, 51

$7 + (5 + 1) \times 3$
$7 + 6 \times 3$
$7 + 18 = 25$

12. Which equation represents $3 \times \frac{3}{5}$ as a multiple of a unit fraction?

Ⓕ $9 \times \frac{2}{5}$
Ⓖ $3 \times \frac{1}{5}$
Ⓗ $6 \times \frac{1}{5}$
Ⓘ $9 \times \frac{1}{5}$

$3 \times \frac{3}{5} = \frac{9}{5}$

13. Mick lives 0.56 mile from a gas station. He lives 0.2 mile from a hardware store. He lives 0.4 mile from a bank. Order the distances from *greatest* to *least*.

Ⓐ 0.56, 0.4, 0.2
Ⓑ 0.56, 0.2, 0.4
Ⓒ 0.4, 0.56, 0.2
Ⓓ 0.2, 0.4, 0.56

14. The rule of a sequence is multiply by 4. If the first term is 8, what are the next four terms?

Ⓕ 28, 112, 448, 1,792
Ⓖ 32, 128, 512, 2,018
Ⓗ 32, 128, 512, 2,048
Ⓘ 32, 128, 412, 1,648

15. Emma walked $\frac{2}{5}$ mile to her friend's house. Then she walked $\frac{3}{5}$ mile to a park. How far did Emma walk in all?

Ⓐ $\frac{1}{10}$ mile
Ⓑ $\frac{1}{5}$ mile
Ⓒ $\frac{1}{2}$ mile
Ⓓ 1 mile

GO ON ▶

Name _____ Date _____

Benchmark Test 3 *(continued)*

16. What mixed number and fraction does the shaded part of the model represent?

Ⓕ $2\frac{1}{4}, \frac{9}{4}$

Ⓖ $2\frac{3}{4}, \frac{11}{4}$

Ⓗ $3\frac{1}{4}, \frac{13}{4}$

Ⓘ $11\frac{1}{4}, \frac{11}{4}$

17. Jeri made 84 straw baskets to sell at the fair. After the first day, there were 76 baskets left. After the second day, there were 68 left. After the third day, there were 60 left. If the pattern continues, how many baskets will be left after the fourth day?

Ⓐ 52

Ⓑ 44

Ⓒ 42

Ⓓ 36

84 − 76 = 8

76 − 68 = 8

68 − 8 = 60

pattern: −8

18. Derek has 50 inches of balsa wood. He used $36\frac{7}{8}$ inches to make a kite. He used $12\frac{3}{8}$ inches to make a model airplane. How much of the balsa wood is left?

Ⓕ $\frac{3}{4}$ inch

Ⓖ $1\frac{1}{4}$ inches

Ⓗ $2\frac{1}{4}$ inches

Ⓘ $2\frac{1}{2}$ inches

$36\frac{7}{8} + 12\frac{3}{8} = 48\frac{10}{8} =$

$49\frac{2}{8} = 49\frac{1}{4}$

19. Fernando walked his dog $\frac{2}{10}$ mile on Saturday and $\frac{60}{100}$ mile on Sunday. How far did he walk his dog in all?

Ⓕ $\frac{62}{10}$ mile

Ⓖ $\frac{62}{110}$ mile

Ⓗ $\frac{80}{100}$ mile

Ⓘ $\frac{62}{100}$ mile

$\frac{2}{10} = \frac{20}{100}$

20. Look at the equation. What is the value of b when $a = 3$?

$(15 - a) \div 3 = b$

Ⓕ 3

Ⓖ 4

Ⓗ 6

Ⓘ 14

$(15 - 3) \div 3$

$12 \div 3 = 4$

Name _____ Date _____

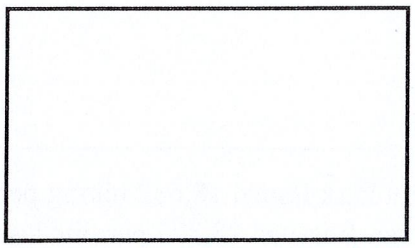
Benchmark Test 4 *(Chapters 1-14)*

Read each question. Fill-in the correct answer.

1. An online music store had an average of 1,462 downloads each hour for 6 hours. How many downloads did the music store have in all?

Ⓐ 8,772 downloads
Ⓑ 8,762 downloads
Ⓒ 8,472 downloads
Ⓓ 6,762 downloads

2. The fabric wall hanging has an area of 112 square feet. The width is 8 feet. What is the length?



Ⓕ 14 feet
Ⓖ 28 feet
Ⓗ 30 feet
Ⓘ 48 feet

3. Which is 8,903 written in expanded form?

Ⓐ 800 + 90 + 3
Ⓑ 800 + 90 + 10 + 3
Ⓒ 8,000 + 90 + 3
Ⓓ 8,000 + 900 + 3

4. Pia needs $\frac{3}{4}$ yard of fabric to cover a bench. Which amount of fabric is greater than $\frac{3}{4}$ yard?

Ⓕ $\frac{7}{12}$ yard
Ⓖ $\frac{2}{3}$ yard
Ⓗ $\frac{1}{2}$ yard
Ⓘ $\frac{5}{6}$ yard

28 7 3 36 12 < 4

20 5 3 18 10 > 4

5. An amusement park had 8,439 visitors on Friday. It had 9,904 visitors on Saturday. Rounding to the nearest thousand, about how many visitors did the park have altogether?

Ⓐ 16,000 visitors
Ⓑ 17,000 visitors
Ⓒ 18,000 visitors
Ⓓ 20,000 visitors

Name _____ Date _____

Benchmark Test 4 *(continued)*

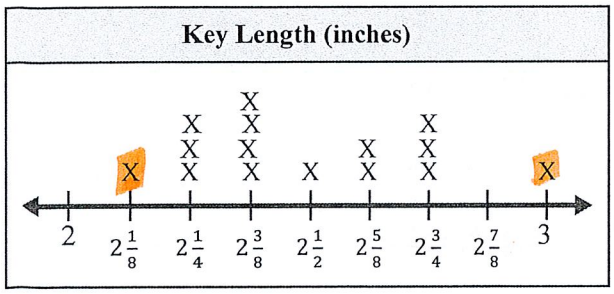
6. What is the value of the expression?

$(21 - 3) + (5 \times 2)$

Ⓕ 180
Ⓖ 46
Ⓗ 30
Ⓘ 28

18 + 10

7. Ginna's class measured the lengths of keys. Ginna displayed the data in a line plot.



What is the difference in length between the shortest key and the longest key?

Ⓐ $1\frac{1}{8}$ inches
Ⓑ $\frac{7}{8}$ inch
Ⓒ $\frac{3}{4}$ inch
Ⓓ $\frac{5}{8}$ inch

8. There are two 2-liter bottles of punch, and three 500-millilter bottles of orange drink at the school picnic. How many milliliters of drinks are there in all?

Ⓕ 5,500 milliliters
Ⓖ 4,500 milliliters
Ⓗ 4,100 milliliters
Ⓘ 2,500 milliliters

2 L = 2000 mL

9. What is the place value of the digit 2 in 126,493?

Ⓐ 200
Ⓑ 2,000
Ⓒ 20,000
Ⓓ 200,000

10. Samson Park issued 18,632 hiking permits this year. It issued 18,777 permits last year. How many permits did it issue in all?

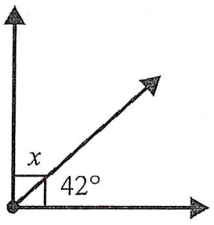
Ⓕ 26,309 permits
Ⓖ 37,409 permits
Ⓗ 36,409 permits
Ⓘ 36,309 permits

GO ON ▶

Name _____ Date _____

Benchmark Test 4 *(continued)*

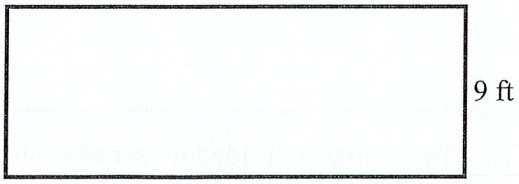
11. Look at the diagram. What is the measure of angle x?



Ⓐ 42°
Ⓑ 48°
Ⓒ 90°
Ⓓ 132°

90 − 42

12. The area of a tablecloth is 108 square feet. The width is 9 feet. What is the perimeter of the tablecloth?



12 ft

Ⓕ 12 feet
Ⓖ 21 feet
Ⓗ 42 feet
Ⓘ 81 feet

9 x ___ = 108
12

9 + 12 + 9 + 12

13. There are 100 tissues in a box. How many tissues are in 6 boxes?

Ⓐ 60 tissues
Ⓑ 106 tissues
Ⓒ 600 tissues
Ⓓ 6,000 tissues

14. Sara is practicing words for a spelling bee. She practiced 5 words on Monday. She plans to practice 2 times as many words each day as the previous day. How many total words will she practice each day for the next four days?

Ⓕ 10, 15, 20, 25
Ⓖ 10, 20, 30, 40
Ⓗ 10, 20, 40, 60
Ⓘ 10, 20, 40, 80

15. Mrs. Hammond ordered an equal number of T-shirts in 3 different sizes. If she ordered 600 T-shirts, how many of each size did she order?

Ⓐ 20 T-shirts
Ⓑ 200 T-shirts
Ⓒ 1,800 T-shirts
Ⓓ 2,000 T-shirts

Name _____ Date _____

Benchmark Test 4 *(continued)*

16. Pedro is making a fruit salad. He bought 3 pounds of bananas, 2 pounds of apples, and 1 pound of oranges. How many ounces of fruit does he have?

Ⓕ 6 ounces
Ⓖ 22 ounces
Ⓗ 72 ounces
Ⓘ 96 ounces

3 + 2 + 1 = 6 lb

6 x 16

17. Lee Ann rode her skateboard $\frac{4}{10}$ mile on Monday. She rode $\frac{48}{100}$ mile on Tuesday. How far did Lee Ann ride her skateboard during the two days?

Ⓐ $\frac{8}{100}$ mile
Ⓑ $\frac{44}{100}$ mile
Ⓒ $\frac{52}{100}$ mile
Ⓓ $\frac{88}{100}$ mile

$\frac{4}{10} = \frac{40}{100}$

18. A store ordered 57 boxes of puzzles for a tent sale. There are 18 puzzles in each box. About how many puzzles did the store order in all?

Ⓕ 120 puzzles
Ⓖ 600 puzzles
Ⓗ 1,000 puzzles
Ⓘ 1,200 puzzles

60 x 20

19. Davi has 5 times as many hats as Kwan. Davi has 20 hats. Which can be used to find the number of hats Kwan has?

Ⓐ $5 + h = 20$; $h = 15$
Ⓑ $5 \times h = 20$; $h = 4$
Ⓒ $5 \times 20 = h$; $h = 100$
Ⓓ $5 + 20 = h$; $h = 25$

20. Mr. Tate equally divided 64 screws into 4 drawers of a tool chest. How many screws are in each drawer?

Ⓕ 13 screws
Ⓖ 14 screws
Ⓗ 16 screws
Ⓘ 18 screws

GO ON ▶

Name _____ Date _____

Benchmark Test 4 *(continued)*

21. Pet Care gave 560,423 bowls of food to animal shelters this year. This was 214,975 more bowls than the previous year. How many total bowls of food did Pet Care give to animal shelters?

Ⓐ 345,448 bowls
Ⓑ 775,398 bowls
Ⓒ 805,861 bowls
Ⓓ 905,871 bowls

22. In a survey on the heaviest zoo animal, $\frac{2}{8}$ of Caesar's class voted for rhinoceros and $\frac{5}{8}$ voted for elephant. What fraction of the class voted for either a rhinoceros or an elephant as the heaviest animal?

Ⓕ $\frac{1}{8}$
Ⓖ $\frac{3}{8}$
Ⓗ $\frac{7}{16}$
Ⓘ $\frac{7}{8}$

23. Which rule describes the pattern?

45, 47, 46, 48, 47, 49, 48

Ⓐ add 2
Ⓑ subtract 1
Ⓒ add 2, then subtract 1
Ⓓ subtract 1, then add 2

24. Alyssa wants to add trim around a toss pillow. The perimeter of the pillow is 1.5 meters. How many centimeters of trim does Alyssa need?

Ⓕ 1,500 centimeters
Ⓖ 1,050 centimeters
Ⓗ 150 centimeters
Ⓘ 15 centimeters

1.5 x 100

25. Which **best** describes the figure?

Ⓐ trapezoid
Ⓑ rhombus
Ⓒ square
Ⓓ rectangle

Name _____ Date _____

Benchmark Test 4 *(continued)*

26. Which of the following represents a ray?

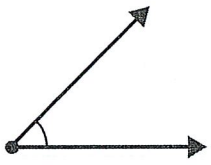
Ⓕ $\bullet Q$

Ⓖ Q ——— R

Ⓗ Q ———▶ R

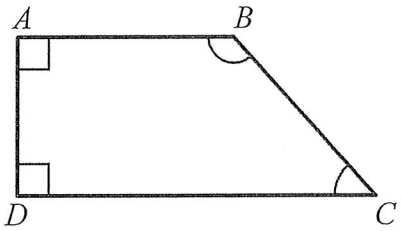
Ⓘ Q ◀——▶ R

27. What is the measure of the angle in degrees?



Ⓐ 45°
Ⓑ 30°
Ⓒ 135°
Ⓓ 90°

28. Which angle in the figure is obtuse?



Ⓕ Angle *A*
Ⓖ Angle *B*
Ⓗ Angle *C*
Ⓘ Angle *D*

29. A bag of potatoes has a mass of 4 kilograms. What is the mass in grams?

Ⓐ 4 grams
Ⓑ 40 grams
Ⓒ 400 grams
Ⓓ 4,000 grams

30. It takes Mars 687 days to orbit the Sun. How long does it take Mars to orbit the Sun 9 times?

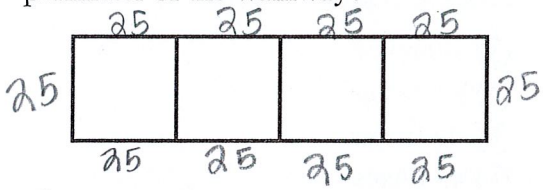
Ⓕ 5,423 days
Ⓖ 5,983 days
Ⓗ 6,073 days
Ⓘ 6,183 days

GO ON ▶

Name _____ Date _____

Benchmark Test 4 *(continued)*

31. Mr. Cho used 4 square blocks to make a garden walkway. Each square block has a side length of 25 inches. What is the perimeter of the walkway?



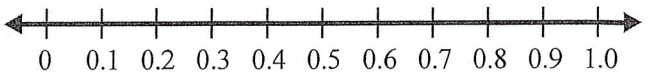
(A) 125 inches
(B) 250 inches
(C) 400 inches
(D) 450 inches

32. Joaquin played basketball with his friends from 1:10 to 3:35. He arrived home 20 minutes later. How many minutes passed from the time Joaquin started playing basketball until the time he arrived at home?

(F) 165 minutes
(G) 175 minutes
(H) 185 minutes
(I) 195 minutes

1:10 - 2:10 = 60 min
2:10 - 3:10 = 60 min
3:10 - 3:35 = 25 min
+ 20 min

33. A desert centipede can be as short as 0.1 meter. What is the length of 4 desert centipedes?



(A) 0.04 meter
(B) 0.2 meter
(C) 0.3 meter
(D) 0.4 meter

34. Lexi sent an average of 17 text messages each day for 68 days. How many text messages did Lexi send altogether?

(F) 746 text messages
(G) 1,106 text messages
(H) 1,146 text messages
(I) 1,156 text messages

35. Which statement is true?

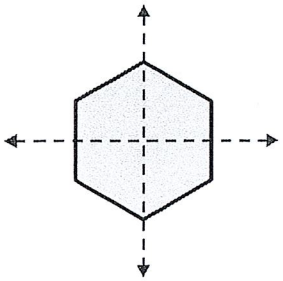
(A) 143,670 > 143,681
(B) 246,029 < 245,984
(C) 304,789 > 304,799
(D) 479,199 < 479,201

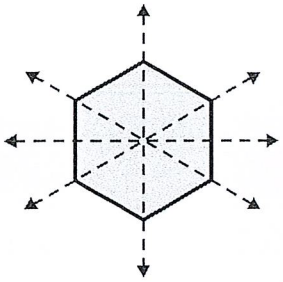
GO ON ▶

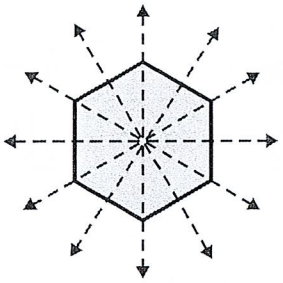
Name _____ Date _____

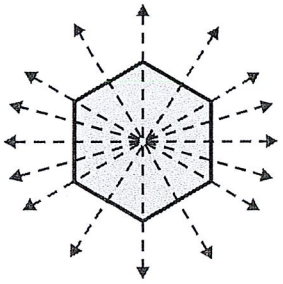
Benchmark Test 4 *(continued)*

36. Which shows all of the lines of symmetry for a hexagon?

Ⓕ 

Ⓖ 

Ⓗ 

Ⓘ 

37. Jade learned the meaning of 3 new words each week for 41 weeks. How many new words did Jade learn altogether?

Ⓐ 132 words
Ⓑ 123 words
Ⓒ 44 words
Ⓓ 38 words

38. A school office is dividing 336 boxes of chalk equally among 8 classrooms. How many boxes of chalk will each classroom get?

Ⓕ 40 boxes
Ⓖ 42 boxes
Ⓗ 43 boxes
Ⓘ 45 boxes

39. Diego is canning 3 gallons of tomato sauce in quart-sized containers. How many containers does he need?

Ⓐ 6 containers
Ⓑ 12 containers
Ⓒ 24 containers
Ⓓ 36 containers

40. A surf shop earned $46,998 its first year. The shop earned $59,643 the second year. How much more did the shop earn the second year?

Ⓕ $12,645
Ⓖ $12,755
Ⓗ $13,655
Ⓘ $13,765

GO ON ▶

Name _____ Date _____

Benchmark Test 4 *(continued)*

41. Makalu is listed as the fifth tallest mountain in the world. It is 27,838 feet high. What is this number written in word form?

Ⓐ twenty-seven, eight hundred, thirty-eight
Ⓑ twenty-seven, eight thirty-eight
Ⓒ twenty-seven thousand, eighty-three hundred, eight
Ⓓ twenty-seven thousand, eight hundred, thirty-eight

42. The equation shown in the table can be used to find the output when the input is 2, 4, and 6.

$6 + (8 - x) \div 2 = y$	
Input (x)	**Output (y)**
2	
4	
6	

Which numbers complete the table?

Ⓕ 6, 5, 4
Ⓖ 8, 9, 10
Ⓗ 9, 8, 7
Ⓘ 14, 12, 10

$6 + (8 - 2) \div 2$
$6 + 6 \div 2$
$6 + 3$

43. In a can of nuts, $\frac{3}{8}$ pound is cashews. How many pounds of cashews are in 12 cans?

Ⓐ $\frac{1}{2}$ pound
Ⓑ $1\frac{1}{2}$ pounds
Ⓒ $4\frac{1}{2}$ pounds
Ⓓ $4\frac{3}{4}$ pounds

$\frac{3}{8} \times \frac{12}{1} = \frac{36}{8} = 4\frac{4}{8}$

44. At a botanical garden, there are 1,414 rose bushes divided equally into 7 different rose gardens. How many rose bushes are in each garden?

Ⓕ 22 rose bushes
Ⓖ 202 rose bushes
Ⓗ 220 rose bushes
Ⓘ 222 rose bushes

45. A Komodo dragon can be as long as 10 feet. What is the length in inches?

Ⓐ 120 inches
Ⓑ 100 inches
Ⓒ 30 inches
Ⓓ 22 inches

STOP