Benchmark Test 4  
(Chapters 1–14)

Read each question. Fill in the correct answer.

1. Mia cut a piece of felt into 3 equal sections. She used 1 section for an art project. What fraction of the felt did Mia use for the art project?

   A  \( \frac{1}{3} \)  
   B  \( \frac{1}{2} \)  
   C  \( \frac{2}{3} \)  
   D  \( \frac{3}{3} \)  

2. Rami, Dee, and Chloe are playing a word game. After the first round, Rami has 9 points, Dee has 7 points, and Chloe has 8 points. At the end of the game, the highest score is 60 times Dee’s first score. What was the highest score?

   F  280 points  
   G  420 points  
   H  480 points  
   I  540 points  

3. Ned records the miles he walks each month.

   12, 18, 24, 30, 36

   If the pattern continues, how many miles will he walk after 6 months?

   A  40 miles  
   B  42 miles  
   C  48 miles  
   D  50 miles  

4. What is the value of the expression if \( n = 12 \)?

   \( 30 - n \div 3 \)

   F  45  
   G  36  
   H  26  
   I  6  

5. What is the place of the digit 5 in the number 9,451?

   A  thousands  
   B  hundreds  
   C  tens  
   D  ones  

GO ON

Grade 3 • Benchmark Test 4
6. A teacher has 4 cups. She put 4 pencils in each cup.

How many pencils are there in all?

- F 5 pencils
- G 10 pencils
- H 15 pencils
- I 16 pencils

7. A newspaper is having a drawing contest. It received 824 mouse cartoons and 495 cat cartoons. How many more mouse cartoons than cat cartoons did the newspaper receive?

- A 329 mouse cartoons
- B 339 mouse cartoons
- C 429 mouse cartoons
- D 439 mouse cartoons

8. Tori wants to check the division problem below.

\[ 14 \div 7 = 2 \]

Which number sentence below can she use?

- F \[ 14 - 7 = 7 \]
- G \[ 2 \times 7 = 14 \]
- H \[ 14 \div 2 = 7 \]
- I \[ 7 + 7 = 14 \]

9. Kalil shared popcorn treats equally between herself and 6 friends. Which expression shows how Kalil shared the treats? The variable \( p \) stands for the unknown.

- A \( p \times 7 \)
- B \( p + 7 \)
- C \( p \div 7 \)
- D \( p - 7 \)

10. Tameka bought two cat toys. They cost $9 and $12. What was the total cost of the cat toys?

- F $21
- G $20
- H $11
- I $3
11. Which quadrilateral is a square?

A

B

C

D

12. Tara makes storybooks. She uses 4 ribbons to tie the pages of a book together.

<table>
<thead>
<tr>
<th>Number of Storybooks</th>
<th>Number of Ribbons</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>4</td>
<td>16</td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

How many ribbons does Tara use for 8 storybooks?

F 20 ribbons  
G 24 ribbons  
H 28 ribbons  
I 32 ribbons

13. Juan used 63 yellow and green beads to make 9 belts. He used the same number of beads on each belt. He used 27 yellow beads in all. How many green beads did he use on each belt?

Solve $(63 - 27) \div 9 = g$.

A 3 green beads  
B 4 green beads  
C 10 green beads  
D 60 green beads

14. Find the area of the shaded figure.

F 3 square units  
G 6 square units  
H 9 square units  
I 12 square units

15. A sports store sold 329 pup tents. It sold 514 family tents. How many tents did the store sell in all?

A 185 tents  
B 295 tents  
C 733 tents  
D 843 tents
16. Look at the bar graph. How many more students have brown eyes than blue eyes and green eyes combined?

- F 1 student
- G 3 students
- H 9 students
- I 11 students

17. Ben saved $80 to buy a new helmet. He saved an equal amount of money each week for 10 weeks. How much money did Ben save each week?

- A $8
- B $10
- C $70
- D $80

18. What fraction of the bows have dots?

- F \( \frac{1}{6} \)
- G \( \frac{2}{6} \)
- H \( \frac{2}{4} \)
- I \( \frac{4}{6} \)

19. What time is shown on the clock?

- A 7:48
- B 9:38
- C 9:42
- D 10:38
20. Irene bought 5 tickets to a water park. She paid $45 in all for the tickets. Which equation can be used to find the cost of one ticket? The letter \( t \) stands for the unknown.

- [ ] \( 5 + t = 45 \)
- [ ] \( 5 \times t = 45 \)
- [ ] \( t - 5 = 45 \)
- [ ] \( t + 5 = 45 \)

21. Mrs. Paul had 9 softballs. She gave an equal number of softballs to 3 teams.

How many softballs does each team have?

- [ ] 1 softball
- [ ] 3 softballs
- [ ] 6 softballs
- [ ] 9 softballs

22. Eva uses 18 liters of water to water her plants. How many times will she need to fill the pitcher?

- [ ] 18 times
- [ ] 16 times
- [ ] 9 times
- [ ] 8 times

23. Li made a triangular sign with his name. The perimeter is 50 inches. What is the length of the unknown side?

- [ ] 14 inches
- [ ] 18 inches
- [ ] 36 inches
- [ ] 86 inches
24. Pria has $125 to spend on a summer trip. She wants to buy a camera for $89 and a bathing suit for $38. Which best shows whether Pria has enough money for a camera and a bathing suit?

- F  Estimate: $100 + $100 = $200
- G  Estimate: $50 + $50 = $100
- H  Exact: $89 + $38 = $117
- I  Exact: $89 + $38 = $127

25. Which fraction is equivalent to \( \frac{2}{3} \)?

- A  \( \frac{2}{6} \)
- B  \( \frac{3}{6} \)
- C  \( \frac{4}{6} \)
- D  \( \frac{5}{6} \)

26. Dustin sewed 24 badges on 4 shirts. Each shirt has the same number of badges. How many badges did Dustin sew on each shirt?

- F  6 badges
- G  8 badges
- H  20 badges
- I  28 badges

27. Sydney played at the park for 1 hour 30 minutes. It took 15 minutes to walk home. The clock shows the time Sydney arrived at home.

At what time did Sydney start playing at the park?

- A  12:05
- B  1:05
- C  1:15
- D  1:20
28. Oakwood Elementary has a new sidewalk.

What is the area of the sidewalk?

- F 20 square feet
- G 31 square feet
- H 45 square feet
- I 54 square feet

29. A ball park sold 288 soccer tickets. It sold 452 baseball tickets. About how many more baseball tickets were sold than soccer tickets?

- A 200 baseball tickets
- B 300 baseball tickets
- C 700 baseball tickets
- D 800 baseball tickets

30. Ari made 5 bird houses. He used 10 pieces of wood for each house. How many total pieces of wood did Ari use?

- F 50 pieces
- G 45 pieces
- H 15 pieces
- I 5 pieces

31. Jasmine is comparing different fractions to $\frac{3}{4}$. Which comparison is true?

- A $\frac{3}{4} > \frac{7}{8}$
- B $\frac{3}{4} < \frac{1}{4}$
- C $\frac{3}{4} = \frac{3}{8}$
- D $\frac{3}{4} > \frac{3}{8}$

32. Lennie sent 7 text messages each day for 9 days. How many text messages did Lennie send in all?

- F 16 text messages
- G 45 text messages
- H 54 text messages
- I 63 text messages
**Benchmark Test 4 (continued)**

33. Katy’s class measured the length of crayons. The line plot shows the lengths.

![Length of Crayons (inches)]

How many crayons are \(3\frac{1}{2}\) inches long or less?

- **A** 3 crayons
- **B** 4 crayons
- **C** 7 crayons
- **D** 11 crayons

35. The clock shows the time Ramon started filling in a map of South America.

Ramon finished the map at 11:40. How much time did Ramon spend on the map?

- **A** 15 minutes
- **B** 1 hour 15 minutes
- **C** 1 hour 30 minutes
- **D** 1 hour 45 minutes

34. Bella bought a rug for her mom. How much floor space will it cover?

![Rug Diagram]

- **F** 15 square feet
- **G** 30 square feet
- **H** 54 square feet
- **I** 63 square feet

36. The balance scale shows the beaded necklace has a mass of 20 grams. What is the mass of 4 beaded necklaces?

![Balance Scale]

- **F** 800 grams
- **G** 80 grams
- **H** 60 grams
- **I** 8 grams

GO ON ➤
37. Tyrell wants to buy three video games. The games cost $28, $16, and $42. The clerk told him the total cost. Which can Tyrell use to check that the total cost is reasonable?

   A $20 + $10 + $40 = $70
   B $30 + $10 + $40 = $80
   C $30 + $20 + $40 = $90
   D $30 + $20 + $50 = $100

38. Mr. Hall drew two plans for a vegetable garden.

   ![Vegetable Garden Diagram]

   How are the perimeters and areas of the vegetable gardens related?

   F The perimeters and the areas are the same.
   G The perimeters and the areas are different.
   H The areas are the same, and the perimeters are different.
   I The perimeters are the same, and the areas are different.

39. Ms. King is mixing orange juice and ginger ale to make punch.

   ![Punch Mixing Diagram]

   How many milliliters of punch is she making?

   A 50 milliliters
   B 150 milliliters
   C 725 milliliters
   D 750 milliliters

40. Which fraction does point A represent on the number line?

   ![Number Line with Fractions]

   F $\frac{1}{4}$
   G $\frac{2}{4}$
   H $\frac{3}{4}$
   I $\frac{4}{4}$