

TEST NAME: **Two Step Word Problems (OA.*8)**
TEST ID: **2712790**
GRADE: **03 - Third Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **My Classroom**

Student: _____
Class: _____
Date: _____

1. Mr. Anders plans to give 4 pencils to each of the 60 students in his classes. Mr. Anders has 37 pencils.

Part A Write an equation to show how many more pencils Mr. Anders needs. Use P for the number of pencils Mr. Anders needs.

Part B How many more pencils does Mr. Anders need?

2. Cindy is making dinner. She cooks the sausage for 34 minutes in the oven. She then puts the sausage in the tomato sauce for 47 minutes.

Estimate about how much time she spends on cooking.

- A About 100 minutes. Round up both numbers to 50 and add the minutes together.
 - B About 90 minutes. Round 47 up to 50 since it is closer to 50 than 40 and round 34 up to 40. Then add.
 - C About 80 minutes. Round 47 up to 50 since it is closer to 50 than 40 and round 34 down to 30. Then add.
 - D About 70 minutes. Round 47 down to 40 and round 34 down to 30 since it is closer to 30 than 40. Then add.
3. Lynne had 13 cookies. She gave 2 cookies to each of her 6 friends. How many cookies did she have left?
 - A 1
 - B 11
 - C 12
 - D 21

4. Sandra gathered books to donate to the library. She gathered

- 13 books on Tuesday
- 11 books on Wednesday
- 6 on Thursday
- 18 on Friday

Her teacher packaged her books into boxes that could hold 8 books. How many boxes did she use?

- A. 48
- B. 6
- C. 5

5. The chart below shows the number of ice cream cones sold in one week. There were a total of 400 ice cream cones sold.

Day	Ice Cream Cones Sold
Monday	103
Tuesday	87
Wednesday	56
Thursday	92
Friday	?

How many ice cream cones were sold on Friday?

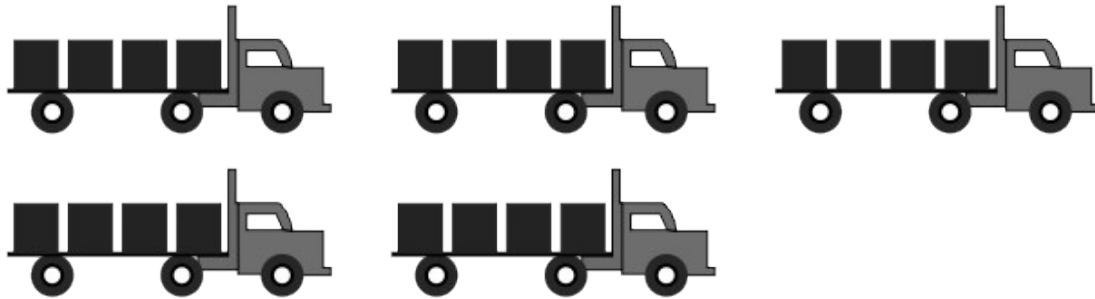
- A. 62
- B. 72
- C. 238
- D. 338

6. Amy went shopping and bought shoes for \$58, sunglasses for \$12, and a coat. She spent \$160. Amy found the cost of the coat by solving $58 + 12 + c = 160$. How much money did Amy spend on the coat if c = the cost of the coat?
- A. \$100
 - B. \$90
 - C. \$70
 - D. \$60
7. Steven has 4 bags of erasers. Each bag has 9 erasers in it. Steven shares the erasers between himself and 5 friends. How many erasers does each child get?
- A. 4
 - B. 6
 - C. 8
 - D. 18
8. Harry and Sam each have 2 apple trees and 2 pear trees in their gardens. How many trees do they have in all?
- A. 4
 - B. 6
 - C. 8
 - D. 16
9. Allie's horse, Scout, runs 3 miles every day. On one of the days, Scout runs an additional 2 miles. Which equation is used to find how many days, d , it will take Scout to run 20 miles?
- A. $3 \times d + 2 = 20$
 - B. $3 - d + 2 = 20$
 - C. $3 + d - 2 = 20$
 - D. $3 \div d - 2 = 20$

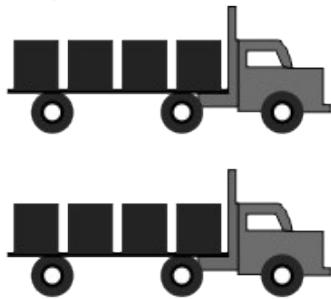
10. Christine has 15 cookies. She bakes 21 more cookies. If she divides all of the cookies evenly among 3 friends, how many cookies will each friend get?
- A. 5
- B. 7
- C. 12
- D. 36
11. Peggy's parents spent \$73 at the shoe store. Peggy's shoes and her sister's shoes each cost \$24. The rest of the money was spent on her brother's shoes. How much did her brother's shoes cost?
- A. \$25
- B. \$48
- C. \$49
12. Gina has a total of 32 marbles.
- She has an equal number of pink, yellow, green, and white marbles.
 - She will put the marbles into 2 cups.
 - She will put an equal number of each color marble into each cup.
- How many **green** marbles will be in each cup?
- A. 2
- B. 4
- C. 6
- D. 8

13. Five trucks arrived at a grocery store. Each truck was carrying four large boxes of fruit. The next day, two more trucks arrived with the same number of boxes on each truck.

Day 1



Day 2



How many boxes were delivered in the two days?

- A. 7
- B. 11
- C. 28

14. Kim and Sara sold bags of cookies.

- Each bag had 8 cookies.
- Kim sold 4 bags of cookies.
- Sara sold 5 bags of cookies.

What is the total number of cookies Kim and Sara sold?

- A. 72
- B. 60
- C. 52
- D. 17

15. There are 24 boxes. Two of the boxes are empty. Each of the other boxes contains 2 erasers. How many erasers are there altogether?
- A. 22
 - B. 24
 - C. 44
 - D. 48
16. Charles has 3 boxes of crayons. Maria has 2 boxes of crayons. Each box has 5 crayons in it. How many total crayons do they have?
- A. 30
 - B. 28
 - C. 25
17. **Sasha has 15 trading cards. Ramon has 4 less trading cards than Monique. Monique has twice as many trading cards as Sasha. Which shows the number of trading cards that each person has?**
- A. Sasha 15, Ramon 19, Monique 30
 - B. Sasha 15, Ramon 11, Monique 8
 - C. Sasha 15, Ramon 26, Monique 8
 - D. Sasha 15, Ramon 26, Monique 30
18. Gavin has 28 red marbles. Ricky has 12 more marbles than Gavin. What is the BEST estimate of the number of marbles they have altogether?
- A. 50
 - B. 60
 - C. 70
 - D. 80

19. Sally ran 2 miles each day for 4 days. Then she ran 3 miles each day for the next 4 days. How many miles did Sally run altogether in the 8 days?
- A. 12
- B. 17
- C. 20
- D. 24
20. Jenny buys 3 packages of stickers. There are 6 stickers in each package. Jenny wants to share the stickers equally with her brother. Which equation should Jenny use to find the number of stickers, N , to give her brother?
- A. $3 \times 6 \div 2 = N$
- B. $3 + 6 \div 2 = N$
- C. $2 \times 6 \div 3 = N$
- D. $2 + 6 \div 3 = N$
21. Lisa played 5 math games. She scored 8 points in the first game. For each game after that her score doubled. How many points did Lisa earn in Game 5?
- A. 16
- B. 32
- C. 64
- D. 128
22. Mrs. Arnold had \$65 to spend on class supplies. She spent \$23 on notebooks and \$16 on pencils. Which equation can be used to determine m , the amount of money Mrs. Arnold had left after she bought the supplies?
- A. $m = 65 - 23 - 16$
- B. $m = 65 - 23 + 16$
- C. $m = 65 + 23 - 16$
- D. $m = 65 + 23 + 16$

23. Scott has \$86 in the bank. He buys a computer game that costs \$43. Then he spends \$27 for a new set of books. How much money does Scott have left?
- A. \$16
B. \$26
C. \$43
24. Beth had \$50. Then she spent \$5 each month for 4 months. At the end of 4 months, how much money did Beth have?
- A. \$20
B. \$30
C. \$45
D. \$59
25. Casey had a pack of 48 crayons. She lost 8 of the crayons at school and her brother broke 4 of them. How many whole crayons does Casey have now?
- A. 60
B. 52
C. 36
D. 12
26. The table below shows how far a sailor traveled each day on a trip.

Miles Traveled on Trip

Day	Monday	Tuesday	Wednesday
Number of Miles	247	192	185

How many miles did the sailor travel during the 3 days?

- A. 624
B. 614
C. 524
D. 414

27. Darren spent 90 minutes at the beach on Saturday. He ate lunch for 27 minutes and played a game for 32 minutes. He spent the rest of the time swimming. About how long did Darren spend swimming?
- A. 30 minutes
 - B. 60 minutes
 - C. 140 minutes
 - D. 150 minutes
28. A group of 4 children went to an ice cream shop. The children's ice cream cost \$8 all together. They paid with a \$20 bill and shared the change equally. How much change did each child get?
- A. \$3
 - B. \$7
 - C. \$12
 - D. \$16
29. A farmer fills 4 boxes with eggs. Each box holds 6 eggs. After the farmer fills the boxes he has 3 eggs left over. How many total eggs does the farmer have?
- A. 13
 - B. 18
 - C. 27
 - D. 36
30. David has five times as many erasers as Tyler. When Tyler buys 3 more erasers, he will have 12. How many erasers does David have?
- A. 45
 - B. 30
 - C. 23

31.

There are 9 bears at the zoo. The zookeeper gives each bear 5 fish to eat. One bear does not eat 2 of his fish. Which equation represents how many fish, f , were eaten?

A. $9 \times 5 - 2 = f$

B. $9 + 5 - 2 = f$

C. $9 \times 5 \times 2 = f$

32. Debbie started reading a book with 117 pages. She read 18 pages of the book on Monday and 31 pages on Tuesday. Debbie is going to estimate the number of pages she has left to read. Write an equation that she could use to estimate.

33. **Janie reads 14 pages a night for 7 nights. The book has 316 pages. How many pages does she have left to read at the end of the week?**

A. 302 pages

B. 218 pages

C. 98 pages

D. 14 pages

34. A student has 54 toy cars to put on shelves in a bookcase. Each shelf holds 8 cars. The student has 14 cars left over that did not fit in the bookcase. Which equation shows the number of shelves, n , in the bookcase?

A. $8 \times n + 14 = 54$

B. $14 + 8 + 54 = n$

C. $54 \div 8 - 14 = n$

D. $54 - 8 + n = 14$

35. Wanda is selling chocolate bars for a school fund-raiser.

- She has 3 boxes containing 100 bars each.
- She sold 142 bars.

How many bars does Wanda have left to sell?

- A. 42
- B. 145
- C. 158
- D. 242

36. Fran had 48 chocolate candies and 32 fruit candies. She gave 21 candies to the students in her class. How many candies did Fran have left?

37. A box has 4 rows of pots. There are 8 pots in each row. A gardener planted 2 bean seeds in each pot.

Part A Write an equation to represent the total number of bean seeds the gardener planted. Use B to represent the total number of bean seeds planted.

Part B What is the total number of bean seeds the gardener planted?

38. Sam goes to football practice 2 hours each day. On one of the days, Sam practices an additional 1 hour. Which equation, when solved, will tell how many days, d , it will take to practice 11 hours?

- A. $2 - d + 1 = 11$
- B. $2 \times d + 1 = 11$
- C. $2 + d - 1 = 11$
- D. $2 \div d + 1 = 11$

39. Bryson walked 3 miles on the first day, 6 miles on the second day, and 8 miles on the third day. How many total miles did he walk?
- A. 9 miles
 - B. 17 miles
 - C. 20 miles
40. Danielle sorted her marbles into 8 groups. She put 3 red marbles, 3 blue marbles, and 2 yellow marbles in each group. How many marbles did she have in all?
- A. 16
 - B. 18
 - C. 24
 - D. 64
41. The length of a rectangle is 15 inches. The perimeter of the rectangle is 42 inches.



Part A Write an equation to find the width of the rectangle. Use W for the missing width.

Part B Find the width W , in inches.

42. A student read 7 pages of a book each day for 3 days. The total number of pages in the book is 100.

Part A Write an equation using p to represent the number of pages the student has left to read.

Part B How many pages does the student have left to read? Show or explain your work.

43. Click on the two expressions you want to select.

Aden put stickers on the 6 faces of a cube. On each face he put 4 rows of stickers with 4 stickers in each row. Which two expressions show the steps Aden can use to find the total number of stickers on the cube?

$4 + 4$

4×4

$16 + 6$

16×6

$8 + 6$

8×6

44. Susan has 3 bags of marbles. There are 9 marbles in each bag. Lara has 40 marbles. How many more marbles does Lara have than Susan?

- A. 13
- B. 27
- C. 31
- D. 67

45. Newbury Elementary School students collected old phone books for recycling. On Monday and Tuesday, they collected a total of 406 books. From Wednesday through Friday, they collected twice as many as Monday and Tuesday. **About** how many phone books did they collect altogether?

- A. 400
- B. 800
- C. 1,000
- D. 1,200

46. Joshua has 612 baseball cards. He gave 419 cards to his brother and then bought 232 new cards. How many cards does Joshua have now?
- A. 193
 - B. 325
 - C. 425
 - D. 799
47. Dan got \$10, \$20, \$15, and \$5 as graduation gifts. He wants to buy a textbook that costs \$55. Does he have enough money to buy the textbook?
- A. No, he needs \$5 more.
 - B. No, he needs \$10 more.
 - C. Yes, and he will have \$5 left over.
48. Which answer is the best estimate for a in $2 \times 61 + 152 = a$?
- A. Between 250 and 300 because $2 \times 50 + 150 = 250$ and $2 \times 60 + 150 = 270$.
 - B. Between 250 and 260 because $2 \times 50 + 150 = 250$ and $2 \times 50 + 160 = 260$
 - C. Between 270 and 280 because $2 \times 60 + 150 = 270$ and $2 \times 60 + 160 = 280$
 - D. Between 290 and 300 because $2 \times 70 + 150 = 290$ and $2 \times 70 + 160 = 300$

49. **Part A**

Brady bought 4 packs of crayons. His friend gave him 9 more crayons. Brady now has 41 crayons. Write an equation using p to represent the number of crayons in each pack. How many crayons were in each pack?

Part B

Brady will give his sister any crayons he has left over after he puts all of the 41 crayons into groups of 12. Draw a model to show how Brady could group the crayons. How many crayons will his sister get?

50. Leni and Erin want to buy 4 toys for \$7 each. They have a \$50 bill.

- Write a number sentence to show how much change, c , Leni and Erin will get back after they pay for the toys.

Leni estimates that they will get about \$20 back in change.

- Is her estimate reasonable? Tell how you know.

Use words, numbers, and/or pictures to show your work.