KIDSLEARN MATH · PRACTICE ASSIGNMENT

Word Problems

Name: Date: Score: / 50

Read each story carefully, decide which operation(s) to use, write a number sentence and solve it. Give the unit with your answer. Answers are at the end.

Part A — Warm-up

1. A school hall has 116 chairs. 87 of them are taken. How many chairs are still empty?

2. A library lent out 470 books on Saturday and 125 books on Sunday. How many books did it lend out altogether?

3. Liam has 54 apples. Ethan has 8 apples. How many more apples does Liam have than Ethan?

4. A library lent out 286 books on Saturday and 199 books on Sunday. How many books did it lend out altogether?

5. Chairs are set out in 15 rows with 10 chairs in each row. How many chairs are there?

6. How many legs do 6 octopuses have altogether?

7. Maya reads 15 pages every day. How many pages does Maya read in 2 weeks?

8. Zara reads 22 pages every day. How many pages does Zara read in 3 weeks?

9. A class of 24 students is split into teams of 6. How many teams are there?

10. 4 friends share a prize of $20 equally. How much does each friend get?

11. Eggs are packed in boxes of 6. How many boxes are needed for 30 eggs?

12. 7 friends share a prize of $56 equally. How much does each friend get?

13. Each pen costs $2. Priya buys 4 pens. What is the total cost?

14. Each toy car costs $7. Lucas buys 2 toy cars. What is the total cost?

15. Each sticker pack costs $4. Mia buys 4 sticker packs. What is the total cost?

Part B — Core practice

16. A sandwich costs $8.25. Lily buys 3 sandwiches and pays with $50. How much change is given?

17. Lily buys 3 notebooks at $4 each and pays with a $20 note. How much change does Lily get?

18. Liam buys 3 notebooks at $8 each and one pen for $5. Liam pays with a $50 note. How much change does Liam get?

19. Liam buys 2 sticker packs at $1 each and pays with a $20 note. How much change does Liam get?

20. Priya has 33 stamps. Kai has 11 more than Priya. How many stamps do they have altogether?

21. Kai had 54 apples, bought 11 more, then gave 38 to Noah. How many apples does Kai have now?

22. A train has 277 passengers. At the next station 10 people get off and 39 get on. How many passengers are on the train now?

23. Lily has 31 pencils. Kai has 7 more than Lily. How many pencils do they have altogether?

24. 110 students are going on a trip. Each bus holds 12 students. How many buses are needed?

25. A baker has 19 muffins and packs them in boxes of 4. How many boxes can be filled completely?

26. 145 stickers are shared equally among 15 children, giving each child as many as possible. How many stickers are left over?

27. 47 students are going on a trip. Each bus holds 10 students. How many buses are needed?

28. Omar has 12 cookies, which is twice as many as Ben. How many cookies does Ben have?

29. A tree is 12 m tall. A tower is 5 times as tall as the tree. How much taller is the tower than the tree?

30. Priya has 9 marbles and Zara has twice as many. How many marbles do they have altogether?

31. Lily has 14 marbles and Zara has 4 times as many. How many marbles do they have altogether?

32. A car travels at 80 km per hour. How far does it go in 6 hours?

33. Sofia practises the violin for 30 minutes a day for 6 days. How many minutes is that in total?

34. A car travels at 60 km per hour. How far does it go in 2 hours?

35. A film starts at 8:15 and ends at 8:50 in the morning. How many minutes long is it?

36. Lily scored 23, 17 and 14 points in 3 basketball games. What was the average number of points per game?

37. Zara scored 11, 17 and 8 points in 3 basketball games. What was the average number of points per game?

38. 5 children collected 26, 29, 22, 22 and 21 shells. They put them together and share them equally. How many shells does each child get?

Part C — Challenge

39. Entry to a fair costs $15 and each ride costs $3. Ava has $47. What is the greatest number of rides Ava can go on?

40. Museum tickets cost $13 for an adult and $10 for a child. Noah's family buys tickets for 2 adults and 3 children and pays with a $100 note. How much change do they get?

41. Entry to a fair costs $11 and each ride costs $6. Liam has $44. What is the greatest number of rides Liam can go on?

42. There are 36 students in a year group. Three quarters of them play a sport. How many students do **not** play a sport?

43. A class has 20 students. Three fifths of them are boys. How many girls are in the class?

44. Ethan had $51, spent a third of it on a book and then $6 on lunch. How much money is left?

45. Liam has 4 times as many stamps as Sofia. Together they have 100. How many stamps does Liam have?

46. Noah has 4 times as many apples as Liam. Together they have 45. How many apples does Noah have?

47. Lily and Lucas have 60 marbles altogether. Lily has 12 more than Lucas. How many marbles does Lucas have?

48. Kai gave away 15 cards and then won 30 cards in a game. Now Kai has 34 cards. How many cards did Kai have to begin with?

49. Lucas gave away 15 cards and then won 9 cards in a game. Now Lucas has 16 cards. How many cards did Lucas have to begin with?

50. Omar spent $11 on a book and then half of the money left on a jacket. Now Omar has $6. How much did Omar have at the start?

Answer Key — Word Problems

1. 29 **chairs**
   Subtract the taken chairs: $116 - 87 = 29$ chairs.
2. 595 **books**
   "Altogether" means add: $470 + 125 = 595$ books.
3. 46 **apples**
   "How many more" is the difference: $54 - 8 = 46$ apples.
4. 485 **books**
   "Altogether" means add: $286 + 199 = 485$ books.
5. 150 **chairs**
   $15 \times 10 = 150$ chairs.
6. 48 **legs**
   Each has 8 legs: $6 \times 8 = 48$ legs.
7. 210 **pages**
   2 weeks is $2 \times 7 = 14$ days, so $15 \times 14 = 210$ pages.
8. 462 **pages**
   3 weeks is $3 \times 7 = 21$ days, so $22 \times 21 = 462$ pages.
9. 4 **teams**
   $24 \div 6 = 4$ teams.
10. **$**5
    $20 \div 4 = 5$, so $5 each.
11. 5 **boxes**
    $30 \div 6 = 5$ boxes.
12. **$**8
    $56 \div 7 = 8$, so $8 each.
13. **$**8
    Cost = price × quantity: $2 \times 4 = 8$, so $8.
14. **$**14
    Cost = price × quantity: $7 \times 2 = 14$, so $14.
15. **$**16
    Cost = price × quantity: $4 \times 4 = 16$, so $16.
16. **$**25.25
    Cost: $3 \times 8.25 = 24.75$. Change: $50 - 24.75 = 25.25$.
17. **$**8
    Cost: $3 \times 4 = 12$. Change: $20 - 12 = 8$, so $8.
18. **$**21
    Cost: $3 \times 8 + 5 = 29$. Change: $50 - 29 = 21$, so $21.
19. **$**18
    Cost: $2 \times 1 = 2$. Change: $20 - 2 = 18$, so $18.
20. 77 **stamps**
    Kai: $33 + 11 = 44$. Together: $33 + 44 = 77$ stamps.
21. 27 **apples**
    $54 + 11 = 65$, then $65 - 38 = 27$ apples.
22. 306 **passengers**
    $277 - 10 + 39 = 306$ passengers.
23. 69 **pencils**
    Kai: $31 + 7 = 38$. Together: $31 + 38 = 69$ pencils.
24. 10 **buses**
    $110 \div 12 = 9$ remainder 2. The 2 left over still need a bus, so 10 buses.
25. 4 **boxes**
    $19 \div 4 = 4$ remainder 3. Only 4 boxes are full.
26. 10 **stickers**
    $145 \div 15 = 9$ remainder 10, so 10 are left over.
27. 5 **buses**
    $47 \div 10 = 4$ remainder 7. The 7 left over still need a bus, so 5 buses.
28. 6 **cookies**
    Divide: $12 \div 2 = 6$ cookies.
29. 48 **m**
    Tower: $5 \times 12 = 60$ m. Difference: $60 - 12 = 48$ m.
30. 27 **marbles**
    Zara: $2 \times 9 = 18$. Together: $18 + 9 = 27$ marbles.
31. 70 **marbles**
    Zara: $4 \times 14 = 56$. Together: $56 + 14 = 70$ marbles.
32. 480 **km**
    Distance = speed × time: $80 \times 6 = 480$ km.
33. 180 **minutes**
    $30 \times 6 = 180$ minutes.

34. 120 **km**
Distance = speed × time: $60 \times 2 = 120$ km.

35. 35 **minutes**
From 8:15 to 8:50 is 35 minutes.

36. 18 **points**
Add them: $23 + 17 + 14 = 54$. Share by 3: $54 \div 3 = 18$ points.

37. 12 **points**
Add them: $11 + 17 + 8 = 36$. Share by 3: $36 \div 3 = 12$ points.

38. 24 **shells**
Add them: $26 + 29 + 22 + 22 + 21 = 120$. Share by 5: $120 \div 5 = 24$ shells.

39. 10 **rides**
After entry: $47 - 15 = 32$. $32 \div 3 = 10$ remainder 2, so 10 rides.

40. **\$**44
Cost: $2 \times 13 + 3 \times 10 = 26 + 30 = 56$. Change: $100 - 56 = 44$.

41. 5 **rides**
After entry: $44 - 11 = 33$. $33 \div 6 = 5$ remainder 3, so 5 rides.

42. 9 **students**
A quarter of 36 is 9. Three quarters is $3 \times 9 = 27$. Not playing: $36 - 27 = 9$.

43. 8 **girls**
One fifth of 20 is 4, so there are $3 \times 4 = 12$ boys and $20 - 12 = 8$ girls.

44. **\$**28
A third of 51 is 17, leaving $51 - 17 = 34$. Then $34 - 6 = 28$, so \$28.

45. 80 **stamps**
Sofia is 1 bar and Liam is 4 bars: 5 bars $= 100$, so one bar is 20. Liam has $4 \times 20 = 80$.

46. 36 **apples**
Liam is 1 bar and Noah is 4 bars: 5 bars $= 45$, so one bar is 9. Noah has $4 \times 9 = 36$.

47. 24 **marbles**
Take away the extra: $60 - 12 = 48$. That is two equal bars, so $48 \div 2 = 24$.

48. 19 **cards**
Undo the steps: $34 - 30 = 4$, then $4 + 15 = 19$ cards.

49. 22 **cards**
Undo the steps: $16 - 9 = 7$, then $7 + 15 = 22$ cards.

50. **\$**23
Before the jacket: $6 \times 2 = 12$. Before the book: $12 + 11 = 23$, so \$23.