

Solving Word Problems with Unneeded Information – Gallon

- SOME questions contain information that you will **NOT NEED** to solve the problem.
- Read carefully. Use only the information you need to solve the problem.

1. A gallon of Lucerne Half and Half costs \$1.79, and eggs cost \$1.15 a dozen. What is the **total** cost of 4 gallons of Lucerne Half and Half?

	⊗	⊗	⊗	
⊙	⊙	⊙	⊙	⊙
①	①	①	①	①
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

2. Joaquin and three of his friends agreed to evenly split the cost of renting a DVD player and 2 movies. The one day rental rate for the 3 items is \$16.24. How much is each person's **share** for the movies and DVD player rental?

① ② ③ ④ ⑤

- (1) \$2.04
(2) \$2.40
(3) \$4.00
(4) \$4.06
(5) \$4.60

3. Julia pays \$278 each month in rent. Her car payment is \$250. What is the **total** amount of rent she pays in a year's time?

① ② ③ ④ ⑤

- (1) \$2,780
(2) \$3,058
(3) \$3,336
(4) \$3,346
(5) \$4,336

4. Kathleen and her 2 roommates are going to split their monthly household expenses of \$765. What is each girl's household expenses for nine months?

① ② ③ ④ ⑤

- (1) \$1,255
(2) \$2,295
(3) \$3,442
(4) \$3,445
(5) \$3,545

5. George needs 342 tiles. He bought an unopened box of 400 tiles, and he got a special price. He paid \$.59 per tile instead of \$.79 per tile. At the special price, what is the **total** cost of the tiles George bought?

① ② ③ ④ ⑤

- (1) \$236.00
(2) \$270.18
(3) \$316.00
(4) \$416.00
(5) \$715.00

6. Out of her monthly paycheck, Marley pays the following taxes.

federal income tax	\$123.00
state income tax	\$ 64.00
city income tax	\$ 8.35

What is the **total** amount Marley pays in state and city taxes each month?

① ② ③ ④ ⑤

- (1) \$8.99
(2) \$72.35
(3) \$195.35
(4) \$196.54
(5) \$199.40

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7. Olivia has a handful of change in her pocket. She has three quarters, four dimes, and two nickels. How many **quarters and nickels** does she have **in all**?

① ② ③ ④ ⑤

- (1) 5
(2) 9
(3) 125
(4) 153
(5) 432

8. Stella bought a picture for \$2.50, a lamp for \$5.00, and a sewing machine for \$45.00. She gave the clerk \$100.00. **How much change** did Stella get back?

① ② ③ ④ ⑤

- (1) \$45.50
(2) \$46.50
(3) \$47.50
(4) \$49.50
(5) \$59.50

9. Last summer, on June 23rd, the following temperatures in La Junta were recorded.

4:20 p.m 104°

8:00 p.m. 81°.

10:30 p.m.75°.

How many degrees did the temperature **decrease** between 4:20 p.m. and 8:00 p.m.?

① ② ③ ④ ⑤

- (1) 23°
(2) 28°
(3) 82°
(4) 92°
(5) 102°

10. The following are Diane's monthly expenses for April.

APRIL EXPENSES

rent	\$174.75
sewer and water	\$ 25.00
electricity	\$ 94.25
car payment	\$135.00

What was the **sum** of Diane's rent and car payment?

① ② ③ ④ ⑤

- (1) \$206.18
(2) \$309.75
(3) \$409.75
(4) \$509.78
(5) \$655.89

11. Henry bought ground beef and pork chops. He bought 2 pounds of ground beef at \$3.45 a pound and 3 pounds of pork chops at \$2.99 a pound. Find the **total** cost of the ground beef?

① ② ③ ④ ⑤

- (1) \$5.98
(2) \$6.90
(3) \$8.97
(4) \$9.97
(5) \$10.97

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12. The new Tiger Football Stadium holds 14,500 people. For the first game of the season, 8,684 fans showed up. The second game drew 9,832, and the third game drew 11,459. What was the **combined** attendance at the **first 3 games**?

	⊗	⊗	⊗	
⊙	⊙	⊙	⊙	⊙
①	①	①	①	①
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

13. Dillard's had a sale on the items shown below. How much did 2 pillowcases and 2 sheets cost **all together**?

SALE	
pillow case	\$ 4.49
sheet	\$12.99
blankets	\$29.00
bath towel	\$ 6.89

- ① ② ③ ④ ⑤
- (1) \$34.96
 (2) \$37.96
 (3) \$38.32
 (4) \$47.56
 (5) \$56.75

14. There are a total of 7,500 adults in Española. 5,245 are high school graduates, and 925 finished college. How many adults did **NOT finish high school**?

- ① ② ③ ④ ⑤
- (1) 1,230
 (2) 1,255
 (3) 2,255
 (4) 3,255
 (5) 4,255

15. There were a total of 775 cars at Valley Ford. 234 were made in the United States, 132 were made in Japan, and 409 were made in Mexico. How many cars were **NOT made in the United States**?

- ① ② ③ ④ ⑤
- (1) 235
 (2) 466
 (3) 541
 (4) 643
 (5) 789

16. There are a total of 420 employees at the University of Southern Colorado. 63 walk to work, and 187 take public transportation. How many employees **DO NOT walk** to work?

- ① ② ③ ④ ⑤
- (1) 124
 (2) 233
 (3) 357
 (4) 432
 (5) 501

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Questions 17 through 19 refer to the following.

Ray bought these three items on sale at Al's Hardware Store. He gave the clerk \$30.00.



17. Find the **total cost** of the 3 items Ray bought?

	⊗	⊗	⊗	
⊙	⊙	⊙	⊙	⊙
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

18. How much did Ray pay for **each** pound of nails?

	⊗	⊗	⊗	
⊙	⊙	⊙	⊙	⊙
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

19. **How much more** did the hand saw cost than the hammer?

	⊗	⊗	⊗	
⊙	⊙	⊙	⊙	⊙
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

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20. Hanna is getting a loan from her credit union to buy a used car. She can choose between the following two payment plans.

LOAN PAYMENT PLANS	
MONTHS	MONTHLY PAYMENTS
24	\$ 120.00
36	\$ 90.00

What is the **difference** in the **total** 24 month payment plan and the **total** 36 month payment plan?

① ② ③ ④ ⑤

- (1) \$288.00
 (2) \$324.00
 (3) \$360.00
 (4) \$2,880.00
 (5) \$3,240.00

21. Adult roundtrip airfare to Honolulu is \$564. Child roundtrip airfare to Honolulu is \$396. Find the **total** airfare cost to Honolulu for three children?

① ② ③ ④ ⑤

- (1) \$1,188
 (2) \$1,692
 (3) \$2,880
 (4) \$2,980
 (5) \$3,456

22. Bent County has three school buses. Each bus is carrying 23 adults and 37 children. Find the **total number of people on all three buses**?

① ② ③ ④ ⑤

- (1) 60
 (2) 70
 (3) 180
 (4) 190
 (5) 200

23. Martin drove 210 miles in 3 hours. He gets 30 miles per gallon. **How many miles** did Martin drive in **one hour**?

① ② ③ ④ ⑤

- (1) 50 miles
 (2) 60 miles
 (3) 70 miles
 (4) 80 miles
 (5) 90 miles

24. Martin drove 210 miles in 3 hours. He gets 30 miles per gallon. **How many gallons** did Martin use if he gets **30 miles per gallon**?

	⊗	⊗	⊗	
⊙	⊙	⊙	⊙	⊙
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

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- | | |
|---|---|
| <p>25. Mike Roberts is an auto mechanic. Last year, he made \$16,456. Jill Roberts is a clerk. Last year, she made \$11,294. Their son Henry works part time at a grocery store. He made \$3,367 last year. Find the combined income for Mike and Jill Roberts?</p> <p>① ② ③ ④ ⑤</p> <p>(1) \$26,117
(2) \$27,117
(3) \$27,700
(4) \$27,740
(5) \$27,750</p> | <p>28. Mr. Garcia ordered 9 boxes of dress shirts to sell in his store. There were 12 shirts in each box. He sent 2 boxes of shirts back because they were the wrong colors. How many total shirts did Mr. Garcia keep?</p> <p>① ② ③ ④ ⑤</p> <p>(1) 132
(2) 84
(3) 72
(4) 11
(5) 7</p> |
| <p>26. It costs approximately \$1,850 a year to educate one student at Cesar Chavez Academy. There are 230 students in the school. Find the total cost to educate just 200 students at Cesar Chavez Academy for a year.</p> <p>① ② ③ ④ ⑤</p> <p>(1) \$3,700
(2) \$37,000
(3) \$370,000
(4) \$425,500
(5) \$435,500</p> | <p>29. In 1975, there were 1,036,000 divorces in the France. In 1977, there were 1,091,000 divorces. In 1978 there were 1,128,000 divorces. How many more divorces were there in 1978 than in 1977?</p> <p>① ② ③ ④ ⑤</p> <p>(1) 92,000
(2) 55,000
(3) 37,000
(4) 27,000
(5) 22,000</p> |
| <p>27. In 1950, there were 14,273 people living in Rocky Ford. By 1980, the population had increased by 8,498. How many people lived in Rocky Ford in 1980?</p> <p>① ② ③ ④ ⑤</p> <p>(1) 22,771
(2) 23,781
(3) 23,881
(4) 24,721
(5) 26,701</p> | <p>30. Jennifer works as a waitress on Friday, Saturday, and Sunday. She made \$210 last weekend. Find the average amount she made each day.</p> <p>① ② ③ ④ ⑤</p> <p>(1) \$69
(2) \$70
(3) \$74
(4) \$79
(5) \$212</p> |

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31. NEW MEXICO STATE POPULATION from 1960 - 1980

year	population
1960	9,706,397
1970	10,652,017
1980	15,734,247

By how much did the population **increase** from 1960 to 1970?

Round your answer off to the nearest hundred thousand.

① ② ③ ④ ⑤

- (1) 800,000
(2) 900,000
(3) 920,000
(4) 950,000
(5) 1,000,000

32. Find the fifth number in this pattern.
2, 4, 8, 16

	⊗	⊗	⊗	
⊙	⊙	⊙	⊙	⊙
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

33. One gallon of paint costs \$12. Find the **total** amount Fred pays for 13 gallons of paint?

① ② ③ ④ ⑤

- (1) \$132
(2) \$149
(3) \$150
(4) \$156
(5) \$159

34. Mount Blanca is 11,239 feet high.
Longs Peak is 14,494 feet high.
Pikes Peak is 14,256 feet high.

How much higher is Longs Peak than Mount Blanca?

① ② ③ ④ ⑤

- (1) 3,200
(2) 3,225
(3) 3,252
(4) 3,255
(5) 3,260

35. Al split a board 102 inches long into 6 equal pieces. How long is **each** piece?

① ② ③ ④ ⑤

- (1) 15 inches
(2) 16 inches
(3) 17 inches
(4) 18 inches
(5) 19 inches

36. How much does Sylvia make in **one** month if she makes \$34,080 a year?

① ② ③ ④ ⑤

- (1) \$1290
(2) \$1530
(3) \$1960
(4) \$2840
(5) \$4010