

**Solve each problem.****Answers**

- 1) It takes Adam twenty-seven oranges to make a large glass of orange juice and three for a small glass. He uses how many times as many oranges for a large glass as he does a small glass?
- 2) George was collecting cans for recycling. He collected twenty-one cans on Saturday which is three times as many as he collected Sunday. How many did he collect on Sunday?
- 3) An architect was building a hotel downtown. He built it three stories tall with seven rooms on each story. How many rooms does the hotel have total?
- 4) Carol had to complete two pages of homework. Each page had seven problems on it. How many problems did she have to complete total?
- 5) At a malt shop for every soda sold they sell eight hamburgers. If they sold twenty-four burgers, how many sodas would they have sold?
- 6) It takes Tom four oranges to make a small glass of orange juice. He uses four times as many for a large glass. How many oranges does he use for a large glass?
- 7) On her MP3 player, Lana had four pop songs. She had eight times as many country songs. How many country songs did she have on her MP3 player?
- 8) At the carnival there were twenty-eight people in line at the roller coaster which is seven times as many as were in line at the Ferris Wheel. How many people were at the Ferris Wheel?
- 9) Emily's new computer had twenty-five gigs of memory. Her old computer had five gigs. How many times more memory does her new computer have than her old computer had?
- 10) A library checks out four books an hour. How many books would they have checked out after five hours?
- 11) A library checks out forty-nine fiction books and seven non-fiction books an hour. How many times more fiction books do they check out than non-fiction books?
- 12) Isabel sent forty-eight text messages a day, which is eight times as many texts as Luke. How many texts did Luke send?

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12. _____



Solve each problem.

Answers

- 1) It takes Adam twenty-seven oranges to make a large glass of orange juice and three for a small glass. He uses how many times as many oranges for a large glass as he does a small glass?
Compare - (Number Of Groups Unknown)
- 2) George was collecting cans for recycling. He collected twenty-one cans on Saturday which is three times as many as he collected Sunday. How many did he collect on Sunday?
Compare - (Group Size Unknown)
- 3) An architect was building a hotel downtown. He built it three stories tall with seven rooms on each story. How many rooms does the hotel have total?
Equal Groups - (Unknown Product)
- 4) Carol had to complete two pages of homework. Each page had seven problems on it. How many problems did she have to complete total?
Equal Groups - (Unknown Product)
- 5) At a malt shop for every soda sold they sell eight hamburgers. If they sold twenty-four burgers, how many sodas would they have sold?
Compare - (Group Size Unknown)
- 6) It takes Tom four oranges to make a small glass of orange juice. He uses four times as many for a large glass. How many oranges does he use for a large glass?
Compare - (Unknown Product)
- 7) On her MP3 player, Lana had four pop songs. She had eight times as many country songs. How many country songs did she have on her MP3 player?
Compare - (Unknown Product)
- 8) At the carnival there were twenty-eight people in line at the roller coaster which is seven times as many as were in line at the Ferris Wheel. How many people were at the Ferris Wheel?
Compare - (Group Size Unknown)
- 9) Emily's new computer had twenty-five gigs of memory. Her old computer had five gigs. How many times more memory does her new computer have than her old computer had?
Compare - (Number Of Groups Unknown)
- 10) A library checks out four books an hour. How many books would they have checked out after five hours?
Equal Groups - (Unknown Product)
- 11) A library checks out forty-nine fiction books and seven non-fiction books an hour. How many times more fiction books do they check out than non-fiction books?
Compare - (Number Of Groups Unknown)
- 12) Isabel sent forty-eight text messages a day, which is eight times as many texts as Luke. How many texts did Luke send?
Compare - (Group Size Unknown)

1. **9**
2. **7**
3. **21**
4. **14**
5. **3**
6. **16**
7. **32**
8. **4**
9. **5**
10. **20**
11. **7**
12. **6**



Solve each problem.

Answers

16

9

21

3

7

5

32

4

20

14

- 1) It takes Adam 27 oranges to make a large glass of orange juice and 3 for a small glass. He uses how many times as many oranges for a large glass as he does a small glass?
- 2) George was collecting cans for recycling. He collected 21 cans on Saturday which is 3 times as many as he collected Sunday. How many did he collect on Sunday?
- 3) An architect was building a hotel downtown. He built it 3 stories tall with 7 rooms on each story. How many rooms does the hotel have total?
- 4) Carol had to complete 2 pages of homework. Each page had 7 problems on it. How many problems did she have to complete total?
- 5) At a malt shop for every soda sold they sell 8 hamburgers. If they sold 24 burgers, how many sodas would they have sold?
- 6) It takes Tom 4 oranges to make a small glass of orange juice. He uses 4 times as many for a large glass. How many oranges does he use for a large glass?
- 7) On her MP3 player, Lana had 4 pop songs. She had 8 times as many country songs. How many country songs did she have on her MP3 player?
- 8) At the carnival there were 28 people in line at the roller coaster which is 7 times as many as were in line at the Ferris Wheel. How many people were at the Ferris Wheel?
- 9) Emily's new computer had 25 gigs of memory. Her old computer had 5 gigs. How many times more memory does her new computer have than her old computer had?
- 10) A library checks out 4 books an hour. How many books would they have checked out after 5 hours?

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