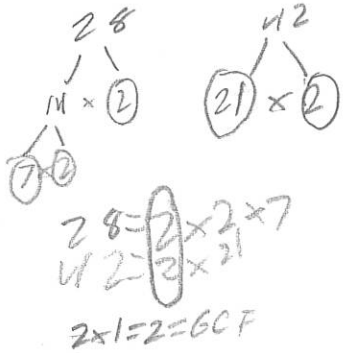
middle of class slip: GCF and LCM

Exit Slip: GCF and LCM

Name: Grant

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group? 2=GCF



Here are the students' answers to the problem:

Student 1:

The greatest number of groups the coaches can make is 53.

Student 2:

The greatest number of groups the coaches can make is 14.

Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 1 is correct because 53 is higher than 14 and there isn't even 84 people going out for track so 53 is the highest numbar of groups.

Exit Slip: GCF and LCM

Name: Leyna [redacted]

1. Three students were given the following problem:

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Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student_____ is correct because _____

---

42 28

21 × 2 14 × 2

7 × 3 7 × 2

42 = 2 × 3 × 7

28 = 2 × 2 × 7

GCF = 14

2 × 7 = 14

I believe student 2 is correct because I solved the greatest common factor and got 14. 42 and 28 both share 7 and 2 and multiplied you get 14.

Exit Slip: GCF and LCM

Name: Justin [redacted] M-6 Math

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

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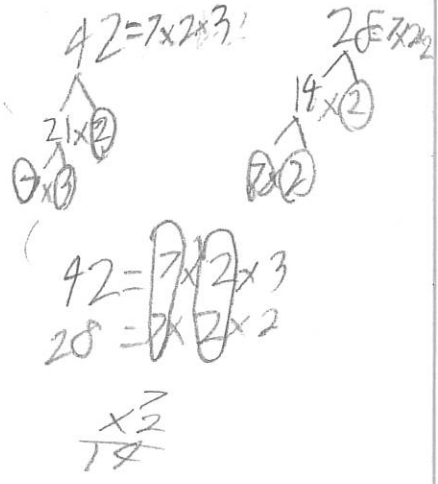

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 2 is correct because that is what the GCF is and 53 and 84 are to big.

Exit Slip: GCF and LCM

Name: Kaden

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

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Student 2:

The greatest number of groups the coaches can make is 14.

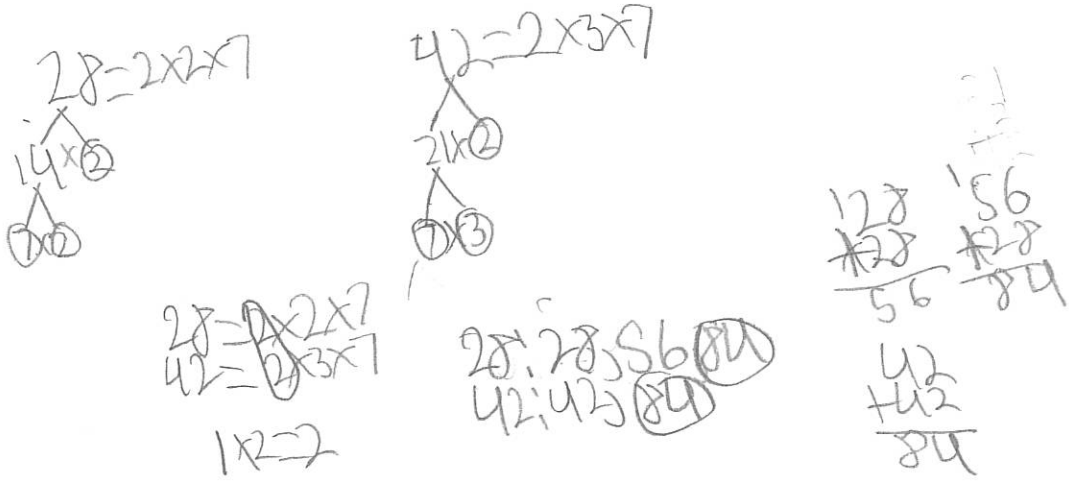
Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 3 is correct because 28 middle school students and 42 high school students can be added up by the same numbers.



Exit Slip: GCF and LCM

Name: Zoey

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

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Student 2:

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Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 2 is correct because I guessed it couldn't be 1 or 3 because their to BIG.

Exit Slip: GCF and LCM

Name: Haley

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

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Student 2:

The greatest number of groups the coaches can make is 14.

Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 2 is correct because I gessted and I think it is 14. I herd someone say it. You can moltouply it biger then 28, 42

Exit Slip: GCF and LCM

Name: Neveah

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

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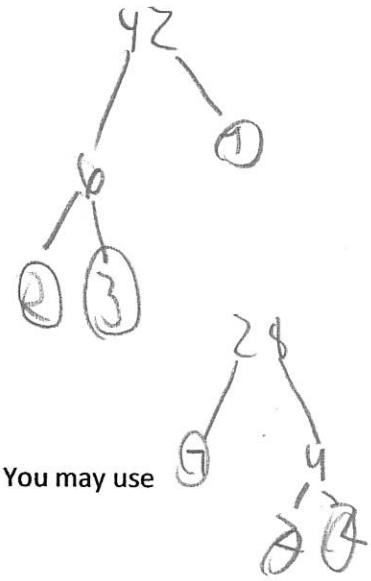

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 2 is correct because I did the problem with them guys I did the math correctly and that's my answer. And I agree with that's my answer.

$42 = 1 \times 7 \times 2 \times 3$

$= 1 \times 7 \times 2 \times 2$

$1 \times 7 \times 2 = 14$

14

Exit Slip: GCF and LCM

Name: Kassidy [redacted]

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

Here are the students' answers to the problem:

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The greatest number of groups the coaches can make is 53.

Student 2:

The greatest number of groups the coaches can make is 14.

Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 2 is correct because it can't be 53 because it is larger than 42 or 84 cause it's larger.

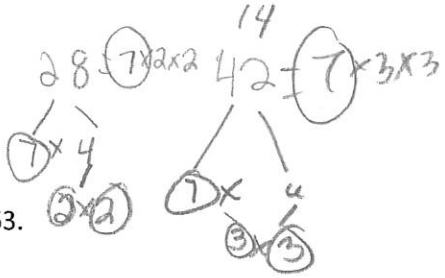
Exit Slip: GCF and LCM

Name: Lillian [redacted]

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

Here are the students' answers to the problem:



Student 1:

The greatest number of groups the coaches can make is 53.

Student 2:

The greatest number of groups the coaches can make is 14.

Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 3 is correct because When I got for 28 was 7, 2, 2 and for 42 7, 3, 3 and so 7 and 7 are the ones that ave the Same so 7+7=14

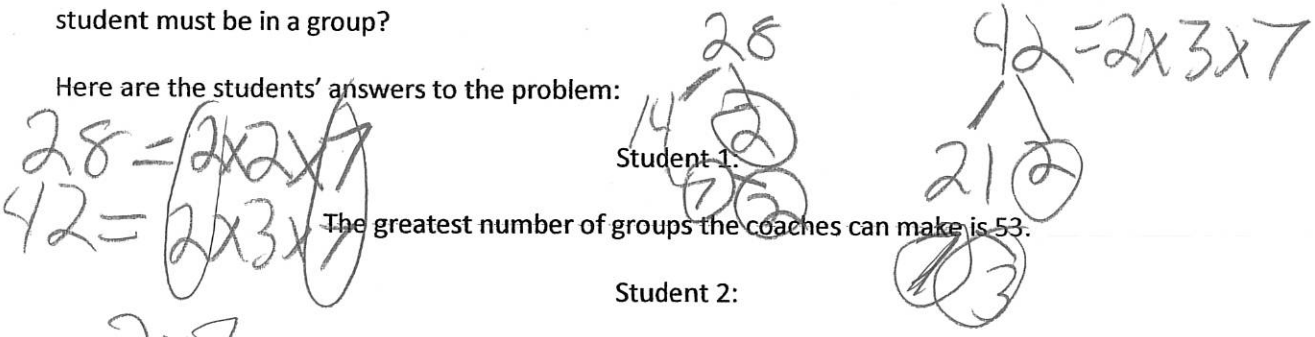
Exit Slip: GCF and LCM

Name: Hazel

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

Here are the students' answers to the problem:



Student 1:

The greatest number of groups the coaches can make is 53.

Student 2:

The greatest number of groups the coaches can make is 14.

Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 2 is correct because when you do 28÷14=2 14÷7=2 and 42÷2=21 21÷7=3 and then when you put them side by side The 7 and 2 are common multiples so when you multiply them you get the Gcf.

Exit Slip: GCF and LCM

Name: Kylie

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

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The greatest number of groups the coaches can make is 14.

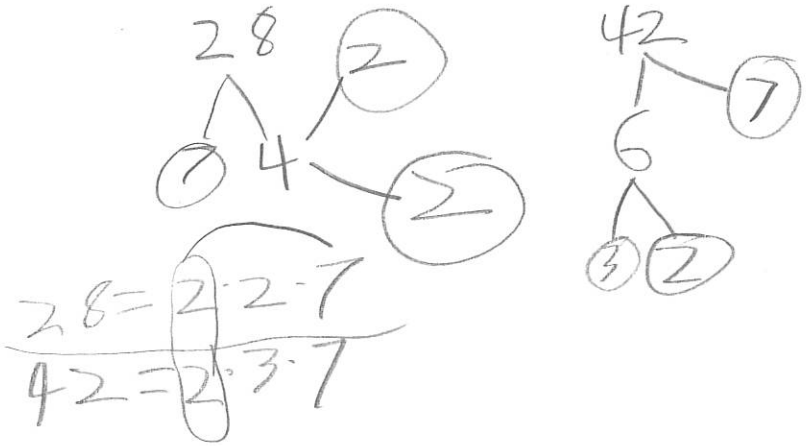
Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 2 is correct because they both share 7 and 2. So multiply 7 and 2 and you get 14



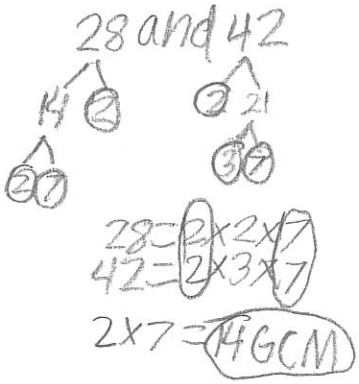
Exit Slip: GCF and LCM

Name: Harris

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

Here are the students' answers to the problem:



Student 1:

The greatest number of groups the coaches can make is 53.

Student 2:

The greatest number of groups the coaches can make is 14.

Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter: I did

I believe that student 2 is correct because I did the math and the answer turned out to be what student 2 answered with.

Exit Slip: GCF and LCM

Name: River

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

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Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 2 is correct because the greatest number of the group is 14

Exit Slip: GCF and LCM

Name: Shawnna M6

1. Three students were given the following problem:

There are 28 middle school students and 42 high school students that are trying out for the track team this year. The coaches want to create groups of middle and high school students. Each group must have the same number of middle school students and the same number of high school students. What is the greatest number of groups the coaches can create if every high school student and every middle school student must be in a group?

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The greatest number of groups the coaches can make is 14.

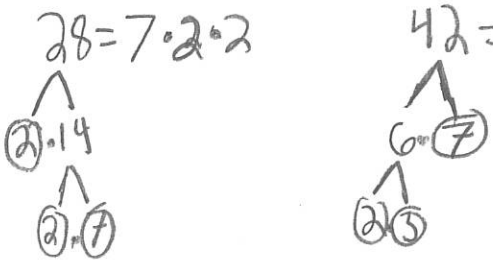
Student 3:

The greatest number of groups the coaches can make is 84.

Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 2 is correct because when I did a factor tree and student 2 had the same number as me.



Exit Slip: GCF and LCM

Name: Trenton

1. Three students were given the following problem:

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Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student 2 is correct because you can divs + times the amount of thos you have

28=2x2x7 42

Exit Slip: GCF and LCM

Name: _____

1. Three students were given the following problem:

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Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student_____ is correct because _____

_____

Exit Slip: GCF and LCM

Name: _____

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Possible sentence starter:

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Exit Slip: GCF and LCM

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Possible sentence starter:

I believe that student_____ is correct because _____

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Exit Slip: GCF and LCM

Name: _____

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Possible sentence starter:

I believe that student_____ is correct because _____

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Exit Slip: GCF and LCM

Name: _____

1. Three students were given the following problem:

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Circle what student you agree with and explain why you agree with them using words. You may use representations such as a factor tree to **help** explain why.

Possible sentence starter:

I believe that student_____ is correct because _____

_____