5ᵗʰ Grade Math

Week of October 19, 2020

Name _____

* Please do not complete until advised by teacher*

Aaminah has $48. Eyani has $12 less than Aaminah. How much money do the girls have all together?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Give each answer.

1. $8 \times 3 =$ ____

2. $8 \div 1 =$ ____

3. $9 \times 6 =$ ____

4. $48 \div 6 =$ ____

5. $7 \times 4 =$ ____

6. $45 \div 5 =$ ____

7. $5 \times 5 =$ ____

8. $40 \div 8 =$ ____

9. $9 \times 4 =$ ____

10. $8 \div 4 =$ ____

11. $9 \times 9 =$ ____

12. $15 \div 5 =$ ____

13. $6 \times 6 =$ ____

14. $40 \div 5 =$ ____

15. $8 \times 2 =$ ____

16. $24 \div 4 =$ ____

17. $8 \times 9 =$ ____

18. $36 \div 4 =$ ____

19. $5 \times 4 =$ ____

20. $35 \div 7 =$ ____

21. $5 \times 3 =$ ____

22. $6 \div 1 =$ ____

23. $7 \times 8 =$ ____

24. $21 \div 3 =$ ____

25. $6 \times 2 =$ ____

26. $48 \div 8 =$ ____

27. $4 \times 5 =$ ____

28. $8 \div 4 =$ ____

29. $4 \times 6 =$ ____

30. $36 \div 9 =$ ____

31. $2 \times 2 =$ ____

32. $5 \div 1 =$ ____

33. $3 \times 3 =$ ____

34. $54 \div 9 =$ ____

35. $4 \times 6 =$ ____

36. $64 \div 8 =$ ____

37. $7 \times 7 =$ ____

38. $0 \div 4 =$ ____

39. $5 \times 5 =$ ____

40. $45 \div 9 =$ ____

41. $1 \times 3 =$ ____

42. $3 \div 3 =$ ____

43. $4 \times 9 =$ ____

44. $35 \div 7 =$ ____

45. $3 \times 6 =$ ____

46. $21 \div 3 =$ ____

47. $9 \times 1 =$ ____

48. $6 \div 3 =$ ____

49. $4 \times 4 =$ ____

50. $12 \div 3 =$ ____

Name _____

Another Look!

A scientist used 0.62 milliliter of solution for an experiment and 0.56 milliliter of solution for a different experiment. How much solution did he use for the two experiments?

You can estimate first to be sure that your answer is reasonable. Both 0.62 and 0.56 are close to 0.5. So the answer will be close to 0.5 + 0.5 = 1.

Write the numbers, lining up the digits by place value. Include the zeros as place holders in the ones place.

ones	tenths	hundredths
0	6	2
+ 0	5	6

Add by place value.

ones	tenths	hundredths	
0	6	2	
+ 0	5	6	
	0	8	(0.02 + 0.06)
1	1		(0.6 + 0.5)
1	1	8	

The scientist used 1.18 milliliters of solution.

Leveled Practice In **1–11**, use place value and properties of operations to find the sum.

1. 55.25 + 298 + 16.3

$$\begin{array}{r} 55.25 \\ 2.98 \\ + 16.30 \end{array}$$

2.

$$\begin{array}{r} 37.2 \\ 103. \\ + 8.52 \end{array}$$

3.

$$\begin{array}{r} 2.97 \\ + 0.35 \end{array}$$

4.

$$\begin{array}{r} 5.62 \\ + 7.99 \end{array}$$

5.

$$\begin{array}{r} 23.59 \\ + 6.56 \end{array}$$

6. 13 + 7.69

7. 41.5 + 12.61

8. 39.48 + 26.7

9. 67.55 + 0.83

10. 88.8 + 4.27 + 78.95

11. 2.94 + 45 + 58.06
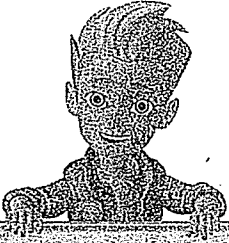
12. How much combined snowfall was there in Milwaukee and Oklahoma City?

**13.** What is the combined snowfall total for all three cities?

City	Snowfall (inches) in 2000
Milwaukee, WI	87.8
Baltimore, MD	27.2
Oklahoma City, OK	17.3

In science class, students weighed different amounts of clay. Carmen's weighed 4.361 ounces, Kim's weighed 2.704 ounces, Simon's weighed 5.295 ounces, and Angelica's weighed 8.537 ounces.

14. How many ounces of clay did Carmen and Angelica have in all?

15. How many ounces of clay did Kim and Simon have in all?

16. Three bags of beads have masses of 10.3 grams, 5.23 grams, and 3.74 grams. Complete the bar diagram to find the total mass of all the beads.

? grams of beads →

?

bag 1   bag 2   bag 3
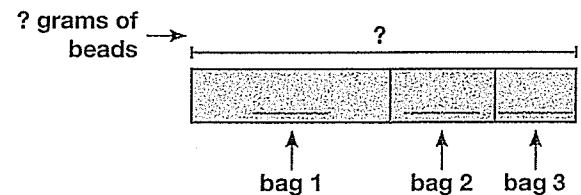
17. Reasoning Reilly adds 45.3 and 3.21. Should his sum be greater than or less than 48? Tell how you know.

18. Higher Order Thinking Patrick has a 600-meter skein of yarn. He used 248.9 meters of yarn to make a hat. Does he have enough yarn left to make a scarf that uses 354.03 meters of yarn? Explain.

Assessment Practice

19. Choose all expressions that are equal to 15.02.

- [ ] 12.96 + 2.06
- [ ] 0.56 + 14.64
- [ ] 2.62 + 12.4
- [ ] 1.22 + 1.8 + 12
- [ ] 1 + 0.5 + 13.8

20. Choose all expressions that are equal to 13.99.

- [ ] 13 + 0.9
- [ ] 6.25 + 3.9 + 3.84
- [ ] 4.635 + 9.355
- [ ] 8 + 5.99
- [ ] 10 + 3.09

The school reported 13 IR visits in the fall. The school reported 14 more visits in the winter than there was in the fall. How many IR visits have there been in the fall and winter?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Name _____

Give each answer.

1. $4 + 3 =$ ____

2. $8 + 9 =$ ____

3. $5 - 1 =$ ____

4. $2 + 3 =$ ____

5. $11 - 3 =$ ____

6. $4 + 4 =$ ____

7. $9 - 2 =$ ____

8. $8 + 8 =$ ____

9. $6 + 7 =$ ____

10. $3 + 2 =$ ____

11. $1 + 6 =$ ____

12. $4 + 9 =$ ____

13. $10 - 7 =$ ____

14. $4 - 2 =$ ____

15. $9 - 5 =$ ____

16. $4 - 3 =$ ____

17. $7 + 2 =$ ____

18. $10 - 4 =$ ____

19. $11 - 8 =$ ____

20. $8 + 5 =$ ____

21. $14 - 9 =$ ____

22. $6 + 5 =$ ____

23. $9 + 9 =$ ____

24. $6 + 8 =$ ____

25. $16 - 8 =$ ____

26. $9 - 3 =$ ____

27. $8 + 6 =$ ____

28. $13 - 4 =$ ____

29. $8 + 4 =$ ____

30. $14 - 6 =$ ____

31. $6 + 3 =$ ____

32. $10 - 6 =$ ____

33. $12 - 3 =$ ____

34. $12 - 4 =$ ____

35. $7 + 1 =$ ____

36. $9 + 3 =$ ____

37. $10 - 8 =$ ____

38. $8 - 3 =$ ____

39. $8 + 1 =$ ____

40. $5 + 2 =$ ____

41. $10 - 1 =$ ____

42. $1 + 4 =$ ____

43. $11 - 4 =$ ____

44. $14 - 7 =$ ____

45. $16 - 8 =$ ____

46. $14 - 5 =$ ____

47. $3 + 7 =$ ____

48. $12 - 9 =$ ____

49. $4 + 7 =$ ____

50. $9 - 4 =$ ____

Name _____

Another Look!

Mr. Montoya bought 3.5 pounds of ground beef. He used 2.38 pounds to make hamburgers. How much ground beef does he have left?

ground beef bought → | 3.5 lb |
| 2.38 lb | ? |
↑ ground beef used ↑ ground beef left
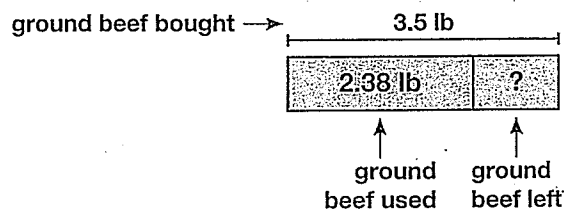
You can use a number line to subtract.

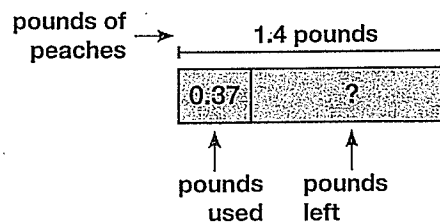−0.08 −0.3   −2

1.12 1.2   1.5   3.5
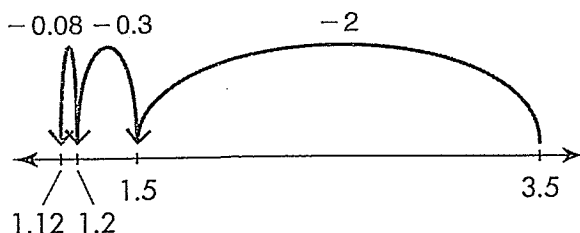
You can subtract using partial differences.
Find 3.5 − 2.38

$$\begin{array}{r} 3.50 \\ -\ 2.00 \quad \text{subtract 2 ones} \\ \hline 1.50 \\ -\ \ .30 \quad \text{subtract 3 tenths} \\ \hline 1.20 \\ -\ \ .08 \quad \text{subtract 8 hundredths} \\ \hline 1.12 \end{array}$$

$3.5 − 2.38 = 1.12$

1. Anya bought 1.4 pounds of peaches. She used 0.37 pound in a fruit salad. How much is left? Use the bar diagram to help you.

pounds of peaches → | 1.4 pounds |
| 0.37 | ? |
↑ pounds used ↑ pounds left

Leveled Practice In **2-7**, find the difference.

2. $82.7 − 5.59$

3. $43.3 − 12.82$

4. $7.28 − 4.9$

5. $\$72.35 − \$6.19$

6. $1.24 − 0.92$

7. $6.04 − 3.48$

8. ◎ **Vocabulary** Complete the sentence using one of the terms below.

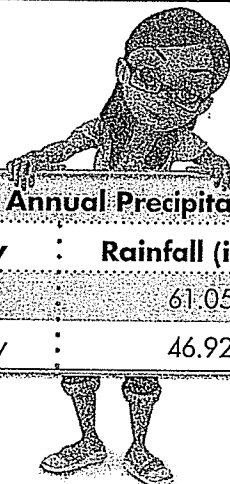**Commutative property**
Compensation
Compatible numbers

_____ is adjusting one number in a problem to make computations easier and balancing the adjustment by changing the other number.

**9.** Describe the steps you would use to subtract 7.6 from 20.39.

In **10** and **11**, use the table.

10. enVision® STEM How much greater was Miami's annual rainfall than Albany's?

11. The annual rainfall in Albany is 0.33 inch less than the annual rainfall in Nashville. How much less rainfall did Nashville get than Miami? Show your work.

Annual Precipitation

City	Rainfall (inches)
Miami	61.05
Albany	46.92

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12. Model with Math Lila would like to take a ceramics class. The class costs $120. She has saved $80 so far. Use the bar diagram to write and solve an equation to find the amount that Lila still needs.

$120	
$80	d

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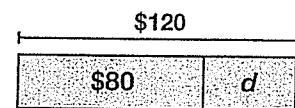
13. Higher Order Thinking The first-place swimmer's time in the 100-meter freestyle at a local swim meet was 1.32 seconds faster than the second-place swimmer. What was the time for the first-place swimmer? What was the difference in time between the second- and third-place swimmers?

100-m Freestyle

Finish	Time (seconds)
First	?
Second	49.33
Third	53.65

✓ Assessment Practice

14. Circle the two subtraction problems that have a difference of 10.2.

$12.05 - 2.03$

$16.29 - 6.09$

$36.1 - 25.9$

$22.09 - 21.07$

$10.82 - 9.8$

Tamiah 128 beads to make a necklace. She uses 40 less beads to make a bracelet. What is the total amount of beads used to make a bracelet and a necklace?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Name _____

Give each answer.

1. $5 \times 5 =$ _____

2. $3 \times 4 =$ _____

3. $6 \times 0 =$ _____

4. $8 \times 5 =$ _____

5. $1 \times 5 =$ _____

6. $7 \times 3 =$ _____

7. $2 \times 3 =$ _____

8. $7 \times 4 =$ _____

9. $7 \times 6 =$ _____

10. $6 \times 6 =$ _____

11. $8 \times 9 =$ _____

12. $4 \times 2 =$ _____

13. $4 \times 4 =$ _____

14. $8 \times 8 =$ _____

15. $7 \times 2 =$ _____

16. $3 \times 3 =$ _____

17. $4 \times 9 =$ _____

18. $4 \times 2 =$ _____

19. $3 \times 5 =$ _____

20. $7 \times 7 =$ _____

21. $6 \times 3 =$ _____

22. $4 \times 1 =$ _____

23. $5 \times 7 =$ _____

24. $7 \times 8 =$ _____

25. $6 \times 9 =$ _____

26. $4 \times 3 =$ _____

27. $9 \times 9 =$ _____

28. $7 \times 4 =$ _____

29. $8 \times 2 =$ _____

30. $7 \times 9 =$ _____

31. $1 \times 8 =$ _____

32. $8 \times 3 =$ _____

33. $6 \times 5 =$ _____

34. $4 \times 8 =$ _____

35. $1 \times 5 =$ _____

36. $2 \times 0 =$ _____

37. $8 \times 1 =$ _____

38. $1 \times 3 =$ _____

39. $2 \times 9 =$ _____

40. $3 \times 3 =$ _____

41. $2 \times 1 =$ _____

42. $1 \times 1 =$ _____

43. $4 \times 6 =$ _____

44. $2 \times 9 =$ _____

45. $2 \times 6 =$ _____

46. $3 \times 7 =$ _____

47. $0 \times 4 =$ _____

48. $6 \times 3 =$ _____

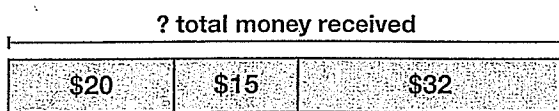**49.** $7 \times 5 =$ _____

50. $5 \times 4 =$ _____

Another Look!

For her birthday, Lucy received $20 from her aunt, $15 from her grandmother, and $32 from her cousins. She bought an e-book for $10.85. How much birthday money does Lucy have left?

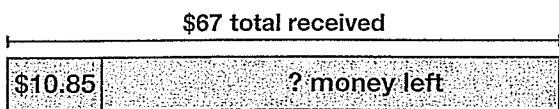**Show how you can model this problem.**

I can use bar diagrams and equations to represent and solve this problem.

How much money did Lucy receive?

? total money received		
$20	$15	$32

$20 + $15 + $32 = $67 received

How much money does Lucy have left?

$67 total received	
$10.85	? money left

$67.00 − $10.85 = $56.15 Lucy has $56.15 left.

You can model with math by using bar diagrams to show the relationships between the whole and the parts.

Model with Math

Jeffrey earned $65 doing yard work. He bought a pair of jeans for $31.25 and a sweatshirt for $16.50. He set aside the money left from his shopping trip to buy a gift for his cousin. How much money did he set aside for the gift?

1. What do you need to find before you can solve the problem?

2. Draw bar diagrams to represent the problem.

Remember, a bar diagram clearly shows how the quantities in the problem are related.

3. Write equations to represent the problem. Then solve the problem.
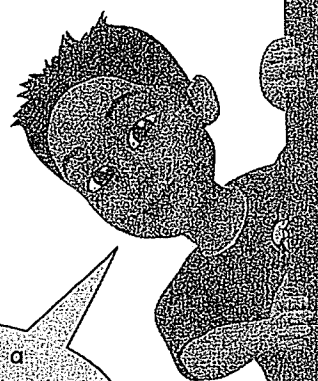
Ms. Balling scored 13 points in the BCCS-G basketball came against BCCS-B. Ms. Eggink scored 38 more points than Ms. Balling. How many points were scored at the game?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Name _____

Give each answer.

1. $18 \div 6 =$ _____

2. $35 \div 5 =$ _____

3. $12 \div 4 =$ _____

4. $45 \div 9 =$ _____

5. $35 \div 5 =$ _____

6. $24 \div 8 =$ _____

7. $3 \div 3 =$ _____

8. $0 \div 8 =$ _____

9. $2 \div 2 =$ _____

10. $12 \div 2 =$ _____

11. $9 \div 3 =$ _____

12. $32 \div 4 =$ _____

13. $63 \div 9 =$ _____

14. $14 \div 2 =$ _____

15. $3 \div 3 =$ _____

16. $16 \div 4 =$ _____

17. $45 \div 5 =$ _____

18. $36 \div 4 =$ _____

19. $16 \div 2 =$ _____

20. $6 \div 1 =$ _____

21. $40 \div 5 =$ _____

22. $54 \div 9 =$ _____

23. $27 \div 9 =$ _____

24. $20 \div 5 =$ _____

25. $25 \div 5 =$ _____

26. $24 \div 4 =$ _____

27. $15 \div 3 =$ _____

28. $28 \div 7 =$ _____

29. $12 \div 6 =$ _____

30. $24 \div 3 =$ _____

31. $18 \div 9 =$ _____

32. $48 \div 8 =$ _____

33. $35 \div 7 =$ _____

34. $24 \div 6 =$ _____

35. $16 \div 2 =$ _____

36. $30 \div 6 =$ _____

37. $18 \div 3 =$ _____

38. $72 \div 9 =$ _____

39. $56 \div 7 =$ _____

40. $18 \div 2 =$ _____

41. $27 \div 9 =$ _____

42. $28 \div 4 =$ _____

43. $15 \div 5 =$ _____

44. $12 \div 4 =$ _____

45. $27 \div 3 =$ _____

46. $42 \div 6 =$ _____

47. $63 \div 7 =$ _____

48. $56 \div 8 =$ _____

49. $21 \div 7 =$ _____

50. $54 \div 6 =$ _____

There were 234 people in attendance at the highschool football game on Friday. Saturday's attendance had 125 more in attendance than Friday's game. What was the total attendance for the weekend?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Question 1

Jessica has $50 to buy a jacket and a hat in the store. A jacket costs $39.08 and a hat costs $12.55. Jessica says she stays within the budget. Is she correct? Explain.

- ○   Jessica is correct. $39.08 rounds to $30 and $12.55 rounds to $20, and $30 + $20 = $50.

- ○   Jessica is correct. $39.08 + $12.55 = $51.63, which is less than $50.

- ○   Jessica is correct. $39.08 rounds to $40 and $12.55 rounds to $10, and $10 + $40 = $50.

- ○   Jessica is incorrect. $39.08 + $12.55 = $51.63, which is greater than $50.

Question 2

Estimate 25.65 + 13.23 + 6.35 by rounding each number to the nearest tenth.

○   26 + 13 + 6 = 45

○   25.7 + 13.3 + 6.4 = 45.4

○   25.6 + 13.2 + 6.3 = 45.1

○   25.7 + 13.2 + 6.4 = 45.3

Question 3
Select all the expressions that are equal to 4.19 + 6.53.

☐   4.2 + 6.5

☐   16.75 – 6.03

☐   1.72 + 9

☐   15 – 4.38

☐   6.53 + 4.19

Question 4

Select each statement that 9.81 will make true.

☐ $12.47 - \square = 2.66$

☐ $12.47 + \square = 2.66$

☐ $14.08 - \square = 4.17$

☐ $3.67 + \square = 13.48$

☐ $11.43 - \square = 2.96$

Question 5a

Traci spent $1.19 on a pack of gum and $0.95 on lip balm.

Part A

Which expression gives the total amount Traci spent?

○   1.19 – 0.95

○   1.19 + 0.95

○   1.19 + 0.59

○   1.19 + 1.19

Question 5b

Part B

What was the total amount Traci spent? Use the model to help you.

Enter your answer in the box.

$ [   ]

Question 6

Match each expression on the left to the equivalent decimal.

	4.6	5.6	5.7	6.7
2.63 + 3.07	☐	☐	☐	☐
9.4 − 4.8	☐	☐	☐	☐
3.92 + 1.68	☐	☐	☐	☐
8.5 − 1.8	☐	☐	☐	☐

Question 7a

Todd swam three trials of the 50-meter freestyle. His time was 32.15 seconds for the first trial, 31.67 seconds for the second trial, and 30.55 seconds for the third trial.

Part A

What is Todd's combined time for all three trials? Enter your answer in the box.

	seconds

Question 7b

Part B

How much faster was Todd's second trial than his first trial? Enter your answer in the box.

	second(s)

Question 8a

Rectangle 1 has an area of 60.81 square centimeters. Rectangle 2 has an area of 61.44 square centimeters. Rectangle 3 has an area of 35.52 square centimeters. Rectangle 4 has an area of 47.88 square centimeters.

Part A

Which two rectangles have the greatest difference in area?

○   Rectangles 1 and 2

○   Rectangles 1 and 3

○   Rectangles 1 and 4

○   Rectangles 2 and 3

○   Rectangles 2 and 4

○   Rectangles 3 and 4

Question 8b

Part B

Look at your answer to **Part A**. What is the difference between those two rectangles' areas? Enter your answer in the box.

square centimeters

Question 9a

Carter bought a fishing pole for $34.80 and a tackle box for $17.49.

Part A

What is the total amount Carter spent on both items? Enter your answer in the box.

$ [   ]

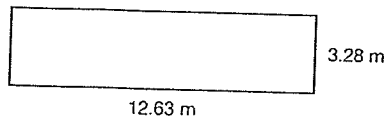**Question 9b**

Part B

Carter paid using 3 twenty-dollar bills. How much change did he receive?

$ [   ]

Question 10a

Jada is putting a border around her rectangular garden. The garden is 12.63 meters long and 3.28 meters wide.

Part A

Jada estimates the perimeter of her garden by rounding the length and width to the nearest whole number. Which equation shows her estimate?

○   10 + 5 + 10 + 5 = 30 meters

○   12 + 3 + 12 + 3 = 30 meters

○   13 + 3 + 13 + 3 = 32 meters

○   13 + 4 + 13 + 4 = 34 meters

Question 10b

Part B

Jada also estimates the perimeter of her garden by rounding the length and width to the nearest tenth. Which equation shows this estimate?

- ○ $12.6 + 3.2 + 12.6 + 3.2 = 31.6$ meters

- ○ $12.6 + 3.3 + 12.6 + 3.3 = 31.8$ meters

- ○ $12.5 + 3.5 + 12.5 + 3.5 = 32$ meters

- ○ $12.7 + 3.3 + 12.7 + 3.3 = 32$ meters

Question 10c

Part C

What is the exact perimeter of Jada's garden? Enter your answer in the box.

| | meters
|---|

Question 10d

Part D

Compare the estimates to the exact perimeter.

○   The estimate using measurements rounded to the nearest whole number is closer to the exact perimeter.

○   The estimate using measurements rounded to the nearest tenth is closer to the exact perimeter.

○   The two estimates are equally close to the exact perimeter.

○   Neither estimate is close enough to the exact perimeter to be useful.