

1.3 Exercises



Vocabulary and Concept Check

1. **WRITING** Why does $12 - 8 \div 2 = 8$, but $(12 - 8) \div 2 = 2$? _____

2. **REASONING** Describe the steps in evaluating the expression $8 \div (6 - 4) + 3^2$.

Evaluate the expression. (Hint: Remember PEMDAS)

6. $5 + 18 \div 6$ _____


8. $45 \div 9 \times 12$ _____

10. $42 \div (15 - 2^3)$ _____

12. $3^2 + 12 \div (6 - 3) \times 8$ _____

ERROR ANALYSIS Describe and correct the error in evaluating the expression.

15.

 $9 + 2 \times 3 = 11 \times 3$
 $= 33$

17. **POETRY** You need to read 20 poems in 5 days for an English project. Each poem is 2 pages long. Evaluate the expression $20 \times 2 \div 5$ to find how many pages you need to read each day.

Evaluate the expression.

(Hint: Remember PEMDAS)

19. $(3 - 1)^3 + 7(6) - 5^2$ _____

25. **THEATER** Before a show, there are 8 people in a theater. Five groups of 4 people enter, and then three groups of 2 people leave. Evaluate the expression $8 + 5(4) - 3(2)$ to find how many people are in the theater.

29. **FIELD TRIP** Eighty students are going on a field trip to a history museum. The total cost includes

- 2 bus rentals and
- \$10 per student for lunch.

What is the total cost per student?



30. **OPEN-ENDED** Use all four operations without parentheses to write an expression that has a value of 100.



Fair Game Review what you learned in previous grades & lessons

Add or subtract. (*Skills Review Handbook*)

34. $5.2 + 0.5$

35. $8 - 1.9$

36. $12.6 - 3$

37. $0.7 + 0.2$

38. **MULTIPLE CHOICE** You are making two recipes. One recipe calls for $2\frac{1}{3}$ cups of flour. The other recipe calls for $1\frac{1}{4}$ cups of flour. How much flour do you need to make both recipes? (*Skills Review Handbook*)

(A) $1\frac{1}{12}$ cups

(B) $3\frac{1}{12}$ cups

(C) $3\frac{2}{7}$ cups

(D) $3\frac{7}{12}$ cups

34. _____

35. _____

36. _____

37. _____

