

Book Costs

Skills:

Adding and
Subtracting
Decimals

1. Georgia is buying three books. They cost \$14.00, \$15.95, and \$17.50. What is the total cost of the three books?

If Georgia paid for the books with three \$20 bills, how much change would she get back?

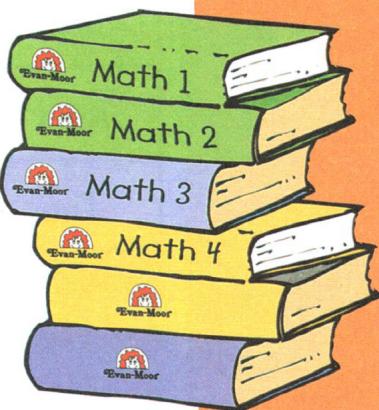
2. Sally bought three books at the store yesterday, one for herself and two for her mother. The total bill came to \$45.90 prior to tax. The book that Sally bought for herself cost \$17.95. What was the total for the two books she bought for her mother?

3. Walker Book Store can purchase a book for \$12.93 and then sell the same book for \$14.50. How much profit do they make from the sale of this book?

How much profit would Walker Book Store make if 10 books were sold?

4. Timothy bought four books and one journal. The books cost \$4.95, \$5.75, \$10.25, and \$14.99. The total of the five items was \$44.39. How much was the journal?

5. Patricia bought a book at the store for a certain amount. She got \$2.00 from her mom to buy the book, \$3.25 from her dad, and \$4.00 from her older sister. Patricia had to kick in the last \$2.49. How much did the book cost?



Skills:

Completing a Logic Puzzle

At the Mall

Complete this logic puzzle to determine which shop each person went to first.

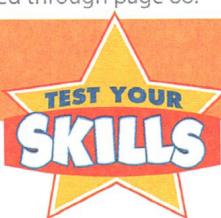
	Video Store	Games Store	Shoe Store	Book Store	Pet Shop	Sandwich Nook
Alicia						
Ann						
Geraldo						
Rachel						
Raul						
Tim						

Clues

- ★ Each person went to a different store first.
- ★ None of the girls went to the Sandwich Nook first.
- ★ Ann went to the Book Store first.
- ★ The oldest boy went to the Games Store first, and the youngest girl went to the Shoe Store first.
- ★ Alicia did not go to the Pet Store first.
- ★ Raul did not go to the Sandwich Nook first.
- ★ Geraldo went to the Games Store first.
- ★ A girl went to the Pet Shop first.

Remember:

Use the directions on page 24 if you've forgotten how to complete a logic puzzle.



Fill in the circle next to the correct answer. If possible, simplify each fraction.

1. $\frac{3}{5} + \frac{1}{5} = \underline{\hspace{2cm}}$

- (A) $\frac{4}{10}$ (C) $\frac{4}{5}$
(B) $\frac{2}{5}$ (D) $\frac{3}{5}$

2. $5\frac{3}{4} + 4\frac{1}{2} = \underline{\hspace{2cm}}$

- (A) $9\frac{1}{4}$ (C) $9\frac{2}{3}$
(B) $9\frac{4}{6}$ (D) $10\frac{1}{4}$

3. $\frac{6}{7} - \frac{5}{7} = \underline{\hspace{2cm}}$

- (A) $\frac{1}{7}$ (C) $\frac{2}{7}$
(B) 1 (D) $\frac{11}{7}$

4. Jimmy started with a string that was $25\frac{1}{3}$ feet long. He cut off a piece that was $6\frac{3}{4}$ feet long to give to his friend. How much string does Jimmy have left?
-

5. What is 75% of 32?

- (A) 75 (C) 25
(B) 24 (D) 16

6. Tim found a jacket that was 25% off. The original price was \$45.00. What was the sale price?

- (A) \$65.00 (C) \$20.25
(B) \$11.00 (D) \$33.75

7. Which math sentence is true?

- (A) $5.4 > 5.51$ (C) $3.52 > 3.49$
(B) $2.49 > 2.5$ (D) $6.12 > 6.23$

8. Which symbol could complete the following?

4.7 \square 4.24

- (A) < (C) >
(B) = (D) all of the above

9. What is the LCM (least common multiple) of 3 and 4?

- (A) 12 (C) 4
(B) 3 (D) 1

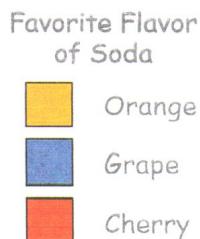
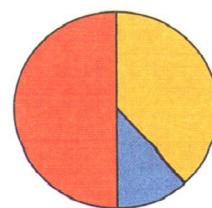
10. What is the LCM of 9 and 12?

- (A) 72 (C) 1
(B) 3 (D) 36

11. Draw an organized list to show all the possible combinations of three shirts (red, blue, and green) and two pants (blue and black).

12. If there were 40 children surveyed, about how many more children liked orange compared to grape?

- (A) 1
(B) 5
(C) 10
(D) 15



Skills:

Solving
Equations with
One Variable

Missing Numbers

Solve each of the following equations. Show all of your work.

Add the same value to each side.

$$\begin{aligned}x - 6 &= 3 \\x - 6 + 6 &= 3 + 6 \\x &= 9\end{aligned}$$

Or subtract the same value from each side.

$$\begin{aligned}x + 2 &= 7 \\x + 2 - 2 &= 7 - 2 \\x &= 5\end{aligned}$$

Multiply both sides by the same number.

$$\begin{aligned}y \div 2 &= 3 \\y \div 2 \times 2 &= 3 \times 2 \\y &= 6\end{aligned}$$

Or divide both sides by the same number.

$$\begin{aligned}2y &= 8 \\2y \div 2 &= 8 \div 2 \\y &= 4\end{aligned}$$

1. $x + 4 = 5$ $x = \underline{\hspace{2cm}}$

10. $6y = 24$ $y = \underline{\hspace{2cm}}$

2. $x + 8 = 12$ $x = \underline{\hspace{2cm}}$

11. $3y = 18$ $y = \underline{\hspace{2cm}}$

3. $x + 5 = 5$, $x = \underline{\hspace{2cm}}$

12. $9y = 54$ $y = \underline{\hspace{2cm}}$

4. $x + 2 = 11$ $x = \underline{\hspace{2cm}}$

13. $12y = 48$ $y = \underline{\hspace{2cm}}$

5. $x + 6 = 21$ $x = \underline{\hspace{2cm}}$

14. $3y = 33$ $y = \underline{\hspace{2cm}}$

6. $x - 5 = 8$ $x = \underline{\hspace{2cm}}$

15. $y \div 7 = 2$ $y = \underline{\hspace{2cm}}$

7. $x - 4 = 13$ $x = \underline{\hspace{2cm}}$

16. $y \div 3 = 9$ $y = \underline{\hspace{2cm}}$

8. $x - 9 = 13$ $x = \underline{\hspace{2cm}}$

17. $y \div 1 = 7$ $y = \underline{\hspace{2cm}}$

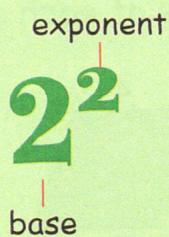
9. $x - 5 = 26$ $x = \underline{\hspace{2cm}}$

18. $y \div 8 = 6$ $y = \underline{\hspace{2cm}}$

Times Myself

Skills:

Using
Exponents



The large number is called a *base*. The small number is called an *exponent*. It shows how many times the base is used as a factor.

5^2 is read as "five squared."

It tells you to multiply 5 by itself two times.

$$5 \times 5 = 25$$

4^3 is read 4 "cubed."

It tells you to multiply 4 by itself three times.

$$4 \times 4 \times 4 = 64$$

2^5 is read as "2 to the fifth power."

It tells you to multiply 2 by itself five times.

$$2 \times 2 \times 2 \times 2 \times 2 = 32$$

Solve these problems using exponents:

1. $4^2 =$ _____

2. $2^3 =$ _____

3. $3^5 =$ _____

4. $8^2 =$ _____

5. $4^5 =$ _____

6. $5^3 =$ _____

Solve these equations using exponents:

7. $2^2 + 3^3 =$ _____

8. $3^5 - 2^3 =$ _____

9. $5^2 \times 3^3 =$ _____

10. $3^3 \div 3^2 =$ _____

Math Recipes

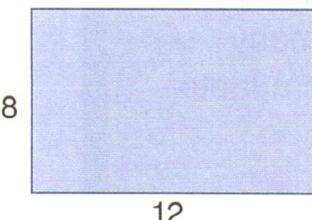
Skills:

Calculating
Perimeter of
Polygons

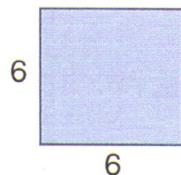
Perimeters, Please

Perimeter is the distance around a shape. Find the perimeter (P) of each shape below by adding together the lengths of each side.

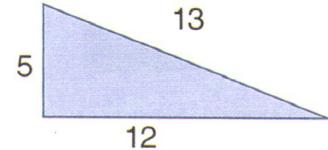
1.



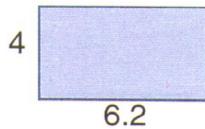
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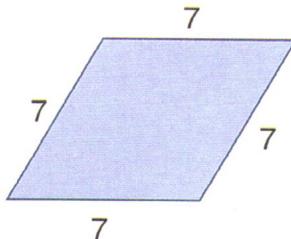
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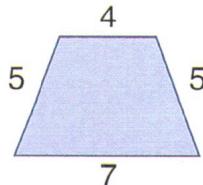
4.



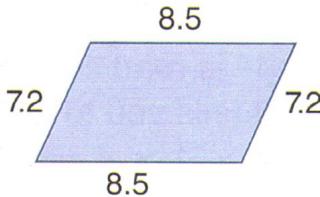
5.



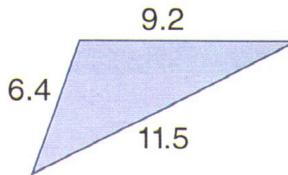
6.



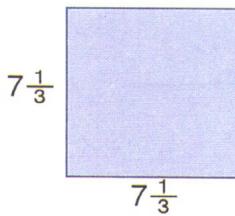
7.



8.



9.



10.

