

Please Fill This Form in Completely

Name of child

Was an 8th Grade math course completed?

Boy/Girl

Age

yes

no

Month

Day

Year of birth

Name of parent/guardian

Street address

(_____) _____ - _____
Daytime phone

City

State

Zip/Postal Code

Email address

Answer each question in the space provided.
Please show all work.

Answers

1) Name as a fraction in simplest form.

a) 45%

1a) _____

b) .125

1b) _____

c) .666

1c) _____

2) Divide: $.01 \div .025 =$

2) _____

3) Multiply: $2.05 \times .032 =$

3) _____

4) 5.12 is what percent of 16?

4) _____

SEND THE COMPLETED TEST TO:

Calvert Education Services • 10713 Gilroy Road, Suite B • Hunt Valley, MD 21031

IMPORTANT: DO NOT FAX THE TEST.

Remember to show your work!

5) 45% of what number is 144? 5) _____

6) What is 15% of 25? 6) _____

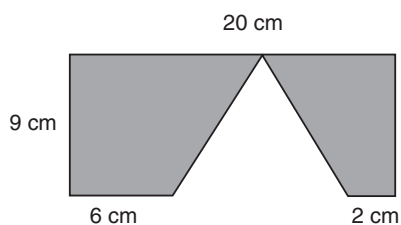
7) Find the rate a car travels if it goes 105 miles in 2 hours and 30 minutes. 7) _____

8) If 5 lb of cheese cost \$18.50, how much would 1 lb cost? 8) _____

9) A pair of shoes regularly costing \$42.00 is discounted 20%.
What is the sale price? 9) _____

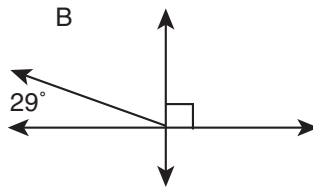
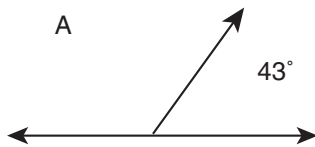
10) A box has a volume of 48 cubic feet. If the base of the box is
6 feet by 4 feet, what is its height? 10) _____

11) Find the area of the shaded region. 11) _____



Remember to show your work!

- 12) Find the measure of angles A and B without measuring.



12A) _____

12B) _____

- 13) Jane is twice as old as Jim. If Jim is k years old now, how old will Jane be in three years? Give an algebraic expression for Jane's age.

13) _____

- 14) When three is subtracted from twice a number n , the result is 17. Find the value of n .

14) $n =$ _____

- 15) Solve for n .

a) $(-3) + n = 17$

15a) $n =$ _____

b) $2n - 1 = 11$

15b) $n =$ _____

c) $\frac{n}{3} + 1 = 4$

15c) $n =$ _____

- 16) Solve: $6 + 3^2 \times 2 \div 6 =$ _____

16) _____

- 17) True or False? If $x < 7$, then $-x < -7$.

17) _____

- 18) Write as an algebraic expression:

Seven less than three times a number n .

18) _____



Remember to show your work!

19) Add: $3\frac{2}{5} + 2\frac{3}{4} =$ 19) _____

20) Compute: $7\frac{1}{2} \times \frac{8}{15} \div 1\frac{1}{3}$ 20) _____

21) Rename as a fraction in **simplest form**: $18\frac{3}{4}\%$ 21) _____

22) Subtract: $3\frac{5}{8} - 1\frac{4}{5} =$ 22) _____

23) Find the mean, median, and mode for the following set of data:
10, 19, 25, 9, 10, 15, 3 23) Mean: _____

Median: _____

Mode: _____

24) Perform the indicated operations:

a) $(-43) + (-17)$ 24a) _____

b) $(-3) (-2) (-5)$ 24b) _____

c) $64 - (-18)$ 24c) _____

d) $(-17) + (52)$ 24d) _____

e) $(-40) \div 8$ 24e) _____

f) $(-1)^9$ 24f) _____

g) $(-2) (6) - (-7) (-5)$ 24g) _____



Remember to show your work!

25) Solve the following proportion for n : $\frac{112}{63} = \frac{n}{18}$ 25) _____

26) A road map uses a scale of 1 in. = 48 mi. Find the actual distance.

a) 7 in. 26a) _____

b) $1\frac{7}{8}$ in. 26b) _____

27) Write the prime factorization of 360 in exponential form. 27) _____

28) Between which two **consecutive** whole numbers is $\sqrt{300}$? 28) _____

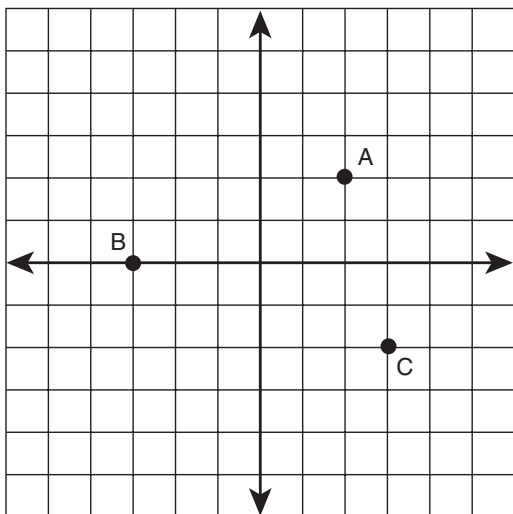
29) Compute and write your answer in scientific notation.
 $(2.4 \times 10^7) \times (4 \times 10^{-12})$ 29) _____

30) Write the **ordered pairs** you get when you use these x -coordinates
to solve the equation: -5, 0, 4
Equation: $3x - y = 7$ 30) _____



Remember to show your work!

- 31) Name the points indicated on the coordinate system below using an *ordered pair* of numbers.



31A) _____

31B) _____

31C) _____



Comments and Additional Information

(If you require additional space, please continue on the back.)

Please add information that would help us evaluate this placement, if you wish.

