

# TEAS Test: Math



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## Terms in this set (185)

What are The Order Of Operations?	PEMDAS
Simplify the expression $4 + (3 \times (5+2))$ .	25
Simplify the expression $(3-1)^2 + 6$ .	10
Simplify the expression $2+6 \times 3$ .	20
Simplify the expression $(24 \div 3) \times 5 - 6 + 2 \times 7 - 3$ .	45
A man wants to fence in his garden. The garden is rectangle and measures 25 ft by 30 ft. Fencing costs \$11 per foot. How much will the fence cost to build?	\$1,210
What is $1^2$ ?	1
What is $2^2$ ?	4

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What is $4^2$ ?	16
What is $5^2$ ?	25
What is $6^2$ ?	36
What is $7^2$ ?	49
What is $8^2$ ?	64
What is $9^2$ ?	81
What is $10^2$ ?	100
What is $11^2$ ?	121
What is $12^2$ ?	144
What is $13^2$ ?	169
What is $14^2$ ?	196
What is $15^2$ ?	225
What is $16^2$ ?	256
What is $17^2$ ?	289
What is $18^2$ ?	324

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What is $20^2$ ?	400
How do you approximate a square root?	Memorize square roots up to 20. Find the product that is similar to the decimal form of the root number.
What is $\sqrt{2}$ ?	1.4
What is $\sqrt{3}$ ?	1.7
What is $\sqrt{5}$ ?	2.2
$\frac{3}{8} + \frac{5}{6} =$	$\frac{58}{48}$
$3 - 5\frac{1}{3} =$	$-\frac{7}{3}$
What is the approximate % of $\frac{7}{33}$ ?	21%
What is the approximate % of $\frac{8}{11}$ ?	72%
What is the approximate % of $\frac{5}{8}$ ?	62.5%
Simplify the expression $2\frac{5}{8} \times 3\frac{1}{7}$ into an improper fraction and a mixed number.	$\frac{33}{4}$ ; $8\frac{1}{4}$
What is the product of $2\frac{3}{8}$ and $\frac{2}{3}$ ?	$\frac{19}{12}$ ; $1\frac{7}{12}$

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What is the quotient of $5/3 \div 4/15$ ?	$25/4$ ; $6\ 1/4$
$3 + 2/3 \times 9/10$ ?	$18/5$ ; $3\ 3/5$
What is the quotient of $4\ 2/3 \div 6$ ?	$7/9$
Multiply $5.62 \times 0.3$ .	1.686
Simplify the expression $11.4\text{ cm} \times 7\text{ cm} \times 3.06\text{ cm}$ .	$244.188\text{ cm cubed}$
Simplify the expression $0.48 \div 1.2$ ?	0.4
What is the product of 6.3 and 7.6?	47.88
What is the product of 0.12 and 0.3?	0.036
What is the product of 0.02 and 0.4?	0.008
Divide 0.710 by 0.05	14.2
What is $1/10$ as a decimal and %?	0.1 ; 10%
What is $1/5$ as a decimal and a	0.2 ; 20%

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What is $\frac{3}{10}$ as a decimal and a percent?	0.3 ; 30%
What is $\frac{1}{8}$ as a decimal and %?	0.125 ; 12.5%
What is $\frac{3}{8}$ as a decimal and %?	0.375 ; 37.5%
What is $\frac{6}{8}$ as a decimal and %?	0.75 ; 75%
What is $\frac{7}{8}$ as a decimal and %?	0.875 ; 87.5%
What is $\frac{5}{8}$ as a decimal and %?	0.625 ; 62.5%
What is $\frac{1}{3}$ as a decimal and %?	$0.33\bar{3} \approx 33.5\%$
What is $\frac{2}{3}$ as a decimal and %?	$0.66\bar{6} \approx 0.67$ ; 67%
What is $\frac{1}{6}$ as a decimal and %?	$0.16\bar{6} \approx 16.5\%$
Simplify $0.4 \div 0.02$ .	20
A rational number is:	<ol style="list-style-type: none"><li>1.) a fraction</li><li>2.) a terminating decimal</li><li>3.) a repeating decimal w/ a pattern</li></ol>

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An irrational number is:	<p>1.) a square root</p> <p>2.) a decimal w/o a repeating number</p>
Classify each as Rational, Irrational, or Real: $\sqrt{36}$ , $-\sqrt{36}$ , $\sqrt{37}$ , $1/3$ , $0.6$ , $0.66^-$ , $0.7070007007\dots$	<p><math>\sqrt{36} = R</math></p> <p><math>-\sqrt{36} = R</math></p> <p><math>\sqrt{37} = \text{Irr}</math></p> <p><math>1/3 = R</math></p> <p><math>0.6 = R</math></p> <p><math>0.66^- = R</math></p> <p><math>0.7070007007\dots = \text{Irr}</math></p> <p>All are real</p>
What is a Real number?	Any number on a number line as a rational and irrational number.
What is an approximate decimal equivalent to $\sqrt[3]{10}$ ?	2.15
What irrational number can be approximated by the number 3.3166?	$\sqrt{11} \approx 3.32$
15% of 500 is what number?	75
An amount goes up from 20 to 45. What is the % increase?	125%
An amount of 50 decreases by 5. What is the % decrease?	10%

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25% of what number is 8?	32
What percent of 250 is 10?	4%
Convert $\frac{3}{125}$ to a decimal.	0.024
Convert $\frac{1}{5}$ to a decimal.	0.2
Convert $\frac{5}{8}$ to a percent.	62.5%
Convert 319% to a fraction and decimal.	$3\frac{19}{100}$ ; 3.19
Convert 0.681 to a percent and fraction	68.1% ; $\frac{681}{1,000}$
Convert $\frac{3}{4}$ to a percent and decimal.	75% ; 0.75
When is a number divisible by 3?	When the sum of its digits are divisible by 3.
Which number is greater: 0.778 or 0.788?	0.788
Which fraction is greater: $\frac{2}{3}$ or $\frac{3}{4}$ ?	$\frac{3}{4}$
Arrange from least to greatest: $\frac{2}{3}$ , $\frac{3}{5}$ , $\frac{67}{100}$ ?	$\frac{3}{5}$ , $\frac{2}{3}$ , $\frac{67}{100}$

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Which fraction is greater $5/9$ or $4/7$ ?	$4/7$
Arrange from least to greatest: $11/55, 2/9, 0.222$	$11/55, 0.222, 2/9$
What do you do to estimate a product?	Round to the number so that there is only one non-zero number.
Estimate the product of $76,899 \times 634 \approx$	48,000,000
Trip is 1865 miles. Car gives 32 miles/gallon. Approximately how much gas are we going to consume?	$\approx 58$ gallons
Is 18,008,087,737 divisible by 3?	no
How do you reconcile an account?	Add credits and interest to previous balance. Subtract debits and service charge.
Reconcile this account. The previous balance is \$1005.34. The deposits are: \$32.56, \$125.42, \$675.90, \$831.89. The checks made were: \$85.98, \$1045.00, \$16.57, \$5.12, \$79.00. Interest is \$1.79 and the service charge is \$5.00.	\$1436.23
How do you determine take	Determine salary by multiplying hourly pay by days

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Flowers for each corsage or boutonniere are \$2.35. Baby's breath for each are \$0.95. Ribbon for each are \$0.15 per foot. There will be 15 corsages and 15 boutonnieres. Each arrangement needs 9 inches of ribbon. What is the total cost?	\$102.38
How do you find area of a triangle?	$\frac{1}{2} \times \text{base} \times \text{height} = \text{square ft}$
How do you find the area of a square/ rectangle?	Multiply length and width
A coin is $\frac{1}{5}$ zinc, $\frac{1}{10}$ manganese, and $\frac{1}{40}$ copper. The rest of the coin is nickel. What is the fraction and percent of nickel?	$\frac{27}{40}$ ; 67.5%
A man's company makes drinking straws. Each straw weighs 1.2 grams. A box of 50 indicates it is 58.8 grams. Should he approve this box?	No, because the box should weigh 60 grams. Therefore, it is missing one straw.
A gadget requires $3\frac{1}{2}$ ft of red wire, $5\frac{1}{3}$ ft of green wire, and $1\frac{3}{4}$ of yellow wire. What is the total ft of wire needed?	$10\frac{7}{12}$ ft

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The cost of items before tax is \$42.20. How much tax will be paid if the tax is \$0.065 per dollar? (round to the nearest cent)	274 cents
Students increased from 625 to 710. What is the percent increase? (round # to nearest tenth percent)	13.6%
3 students were absent from a class of 24. What is the percent decrease?	12.5%
18 student who received an A made up 30% of the class. Find the total number of students.	60 students
Express 30 minutes to 4 hours as ratio of minutes in fraction form.	$\frac{1}{8}$
1250 student enrolled in 50 sections of algebra last year. This year, 1550 students will enroll. If the number of students per section does not change, how many sections will need to be offered?	62 sections

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Student A reads 10 pages per hour. Student B reads 18 pages per hour. Each has a 288 page book to read. How sooner will Student B finish the book?	12.8 hours faster
If John can travel 130 miles in 2 hours, how far can he travel in 5 hours at the same speed?	325 miles
When am I not supposed to cross cancel?	ratios
A club has 9 male and 21 female members. What is the ratio of male to female members in the club?	$\frac{3}{7}$
Someone needs 4 gallons of punch, 3 gallons of lemonade, and 2 gallons of tea to serve 72 people. How many gallons are needed to serve 240 people?	30 gallons
What # is M in roman numerals?	1,000
What # is D in roman numerals?	500
What # is C in roman numerals?	100

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What # is X in roman numerals?	10
What is V in roman numerals?	5
What is I in roman numerals?	1
What # is DLIV?	554
What # is MCDXLV?	1445
What is 369 in roman numbers?	CCCLXIX
What is 647 in roman numbers?	DCXLVII
What is 217 in roman numbers?	CCXVII
What 77 is in roman numbers?	LXXVII
What is 134 in roman numbers?	CXXXIV
What is 268 in roman numbers?	CCLXVIII
What is 536 in roman numbers?	DXXXVI
What is 1072 in roman numbers?	MLXXII
What is 2133 in roman numbers?	MMCXXXIII

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How much is a Kilo?	1,000
How much is a Hecto?	100
How much is a Dekka?	10
How much is a Deci?	0.10
How much is a Centi?	0.01
How much is a Milli?	0.001
1 in. = ? cm	2.54 cm
1 cm = ? in.	0.394 in
1 km = ? mi	0.62 mi
1 mi = ? km	1.609 km
1 mi = ? m	1,609 m
1 mi = ? ft	5,280 ft
1 m = ? in.	39.37 in.
1 yd = ? m	0.914 m
1 m = ? yd	1.09 yd

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1 lb = ? kg	0.45 kg
1 oz. = ? g	28 g
1 oz. = ? mL	30 mL
1 tsp. = ? mL	5 mL
1 L = ? qt	1.06 qt
1 qt = ? L	0.95 L
1 gal. = ? L	3.785 L
4 cups = ? pt	2 pt
8 oz. = ? cups	1 cup
16 oz. = ? lbs	1 lb
1 qt = ? pt	2 pt
1 gal. = ? qt	4 qt
1 ton = ? lbs	2,000 lbs
How many centiliters are in 10 L?	1,000 centiliters
How many inches are in 4 yds?	144 in.

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How many milligrams are in 5 g?	5,000 mg
How many lbs are in 6 kg?	13.2 lb.
How many ounces are in 3 pounds?	48 oz.
How many quarts are in 20 cups?	5 qt
On a map, 1 inch represents 15 miles. The desired distance measures 6.5 inches on the map. What is the distance on the actual ground?	97.5 mi
On a blueprint of a house, every 1 inch represents 1 actual foot. If the dining room wall measures 16 inches, how long is the actual wall?	16 ft
On a model of our solar system, every 1 inch represents 100,000 miles. If the actual distance from the sun and is 93,000,000 miles. How many inches does this represent on the model?	930 in.
What is the dependent and	The amount of hours worked is the independent

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What is the dependent and independent variable: A person exercises to control their blood pressure.	Blood pressure is the dependent variable. Exercising is the independent variable.
What is the dependent and independent variable: The amount of studying she did for the TEAS impacted her score on the test.	The score on the test is the dependent variable. The amount of studying is the independent variable.
What is the dependent and independent variable: What effect is the treatment having on the two groups	The effect of treatment is the dependent variable. The type of group is the independent variable.
A teacher makes 40k and a plumber makes 50k. How much more does the plumber make for every dollar that the teacher makes?	\$1.25 more or 125% more
Simplify the expression $(8x^2 - 7x + 3) + (3x^2 - 2x - 1)$	$11x^2 - 9x + 2$
Simplify the expression $-5y(7y^2 - 4y - 2)$	$-35y^3 + 20y^2 + 10y$
Simplify the expression $(3x - 1)(2x + 5)$	$6x^2 + 13x - 5$
Simplify the expression $(24x^2y - 6x + \frac{7}{2} + 2y)$	$-6x + \frac{7}{2} + 2y$

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Simplify the expression $(6x^2 - 5x + 8) - (x^2 + 7x - 1)$	$5x^2 - 12x + 9$
Simplify the expression $(5x - 4)(5x + 4)$	$25x^2 - 16$
Simplify the expression $(24x^2y - 6xy + 12xy^2 - 4) \div (12xy)$	$2x - 1/2 + 1y - 1/3xy$
Solve the equation $x/6 - 1/3 = x/2 + 2/3$	$x = -3$
Solve the equation $3(4y - 1) = 16y + 5$	$y = -2$
Solve the equation $x/10 = 5/12$	$x = 25/6$
Solve the equation $x/4 - 1/6 = x/3 + 1$	$x = -14$
$ x - 3  = 5$	$x = 8, -2$
$ 3y - 2  \geq 7$	$y = 3, -5/3$
$ 3y - 2  + 5 \leq 1$	no solution
$ 8x - 3  + 4 > 2$	all real numbers
$ 3y - 2  < 7$	$y = 3, -5/3$