

WARM UP

Solve:

1) 24.5×0.89

2) 19.6×0.5

3) 2.1×3.45

4) $27.6 \div 3.2$

MATH COURSE I

Write
Expressions

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Review

What word phrases do we use to say -, +, x, and \div ?

$$d + 5$$

$$d - 5$$

$$5d$$

$$d \div 5$$

Notes

“a number” means any variable because it can change

***You can choose any variable (letter) to represent “a number”**

One Step Expressions

- 1) 5 added to a number: $5 + x$
- 2) A number subtracted from 9
- 3) A number divided by 6
- 4) 8 increased by a number
- 5) 12 subtracted from a number
- 6) A number multiplied by 14

Expressions

Examples:

8 more than 5 times a number: $8 + 5x$

10 less than 3 times a number: $3y - 10$

A number divided by 3, decreased by 7: $d/3 - 7$

Equations

Examples:

3 less than 4 times a number is 17:

$$4x - 3 = 17$$

10 more than 6 times a number is 40:

$$10 + 6x = 40$$

Practice

- 1) A number divided by 5, decreased by 2, is 3.
- 2) 5 times the sum of a number and 3 is 18.
- 3) A number divided by 2, increased by 1, is 8.
- 4) 5 more than 6 times a number is 23.
- 5) 8 times the sum of a number and 1 is 24.

You Try!

- 1) 1 more than 3 times a number is 10.
- 2) The difference between a number and 2, divided by 3 is 3.
- 3) 6 more than 3 times x is 27.
- 4) 2 times the sum of a number and 1 is 18.
- 5) 9 less than 4 times x is 7.

MORE PRACTICE

- 1) The difference between x and 5, divided by 4, is 3.
- 2) 10 divided by the sum of x and 1 is 2.
- 3) 4 more than 11 times x is 37.
- 4) 8 times the differences between a number and 7 is 32.
- 5) X divided by 3, minus 9 is 0.