

**Homework**

Evaluate the expression.

1.  $m \div 0.3$  for  $m = 1.8$

2.  $3\frac{1}{3} - x$  for  $x = \frac{5}{6}$

3.  $50 - n \div 2$  for  $n = 30$

4.  $x \cdot 1\frac{1}{2}$  for  $x = 10$

5.  $10 \cdot (20 + d)$  for  $d = 30$

6.  $120 \div (x \cdot 6)$  for  $x = 2$

7.  $a \cdot \frac{1}{3} + 3 \div \frac{1}{3}$  for  $a = 3$

8.  $(0.15 - t) \cdot 100$  for  $t = 0.02$

9.  $h \div 0.07$  for  $h = 4.9$

10. Max bought a pair of jeans for \$32 and three T-shirts for  $t$  dollars each.

a. Write an expression for the total amount Max spent.

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b. If each T-shirt cost \$9, how much did Max spend?

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11. Luke is 4 years younger than Zoe. Mischa is half Luke's age. Let  $z$  be Zoe's age.

a. Write an expression for Luke's age.

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b. Write an expression for Mischa's age.

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c. If Zoe is 16 years old, how old are Luke and Mischa?

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# Remembering

Solve.

1.  $0.8 \overline{)64}$

2.  $0.008 \overline{)72}$

3.  $0.04 \overline{)16}$

4.  $0.5 \overline{)80}$

5.  $0.48 \overline{)1,536}$

6.  $0.76 \overline{)1,596}$

Write a word problem for the equation. Draw a model to show the product.

7.  $\frac{1}{2} \cdot \frac{4}{5} = x$

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Simplify. Follow the Order of Operations.

8.  $\frac{3}{5} - 2 \cdot \frac{1}{10}$

9.  $40 \div (6 - 1) \cdot 3$

10.  $\left(\frac{1}{2} + \frac{3}{8}\right) \cdot 24$

11.  $0.4 \div (0.09 - 0.07)$

12.  $66 - 150 \div 10$

13.  $6 \cdot 5 - 9 \div 3$

14. **Stretch Your Thinking** Write a two-operation expression that equals 31 when evaluated for  $x = 5$ .

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