

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.

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

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.

b. Write an expression for Mischa's age.

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

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

Simplify. Follow the Order of Operations.

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

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

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

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 $x = 5$.
