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 then 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?

_____

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

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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