

Expressions and Equations

Pre-Check: show what you know.

Score _____ / 6

1. Solve.

$$12 \times 7 = \underline{\hspace{2cm}}$$

$$96 \div 8 = \underline{\hspace{2cm}}$$

$$8 \times 14 = \underline{\hspace{2cm}}$$

$$78 \div 6 = \underline{\hspace{2cm}}$$

2. What number goes in each box?

$$\boxed{} + 37 = 82$$

$$11 \times \boxed{} = 99$$

$$\boxed{} \div 7 = 8$$

$$91 - \boxed{} = 48$$

3. Multiply or divide.

$$67 \times 4 = \underline{\hspace{2cm}}$$

$$432 \div 8 = \underline{\hspace{2cm}}$$

4. Fill in each blank.

72 is _____ times as many as 12

_____ is 5 times as many as 9

5. Write the missing number to make each equation true.

$$12 \times 5 = 5 \times \underline{\hspace{2cm}}$$

$$(3 \times 4) \times 5 = 3 \times (\underline{\hspace{2cm}} \times 5)$$

$$4 \times 23 = 4 \times 20 + 4 \times \underline{\hspace{2cm}}$$

6. Write an equation with a letter for the unknown. Solve.

Leo has 5 packs of 12 cards. He gives away 17 cards. How many cards does he have left?

Equation _____

_____ cards

Expressions and Equations

Pre-Check: show what you know.

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1. Solve.

$$12 \times 7 = \underline{84}$$

$$96 \div 8 = \underline{12}$$

$$8 \times 14 = \underline{112}$$

$$78 \div 6 = \underline{13}$$

Lesson 5.2 · The order of operations

2. What number goes in each box?

$$\boxed{45} + 37 = 82$$

$$11 \times \boxed{9} = 99$$

$$\boxed{56} \div 7 = 8$$

$$91 - \boxed{43} = 48$$

Lesson 5.7 · Variables

3. Multiply or divide.

$$67 \times 4 = \underline{268}$$

$$432 \div 8 = \underline{54}$$

Lesson 5.3 · Brackets and braces

4. Fill in each blank.

$$72 \text{ is } \underline{6} \text{ times as many as } 12$$

$$\underline{45} \text{ is } 5 \text{ times as many as } 9$$

Lesson 5.4 · Write and compare expressions

5. Write the missing number to make each equation true.

$$12 \times 5 = 5 \times \underline{12}$$

$$(3 \times 4) \times 5 = 3 \times (\underline{4} \times 5)$$

$$4 \times 23 = 4 \times 20 + 4 \times \underline{3}$$

Lesson 5.6 · Equivalent expressions

6. Write an equation with a letter for the unknown. Solve.

Leo has 5 packs of 12 cards. He gives away 17 cards. How many cards does he have left?

$$\text{Equation } \underline{5 \times 12 - 17 = c}$$

One way

$$5 \times 12 = 60$$

$$60 - 17 = 43$$

One way

$$\underline{43} \text{ cards}$$

Lesson 5.8 · Multi-step stories with a letter