

Recognizing multiples; learning division facts with dividends to 30 and dividends that are multiples of 10 (to 90), 11 (to 99) and 12 (to 48)

A **multiple** is the result of multiplying two numbers. Some multiples of 2 are 2, 4, 6, 8, 10 and so on. Multiples of 5 are 5, 10, 15, 20, 25 and so on. There are many more multiples.

① Which set shows multiples of 4?

(6, 10, 14, 18) **(8, 12, 16, 20)**

(8, 10, 12, 14) (4, 6, 10, 14)

② Which set shows multiples of 3?

(6, 12, 14, 17) (7, 10, 13, 16)

(9, 12, 15, 18) (3, 11, 14, 18)

③ Jack can buy blank CDs in boxes of five. Which set shows possible numbers of CDs he might buy?

(5, 10, 14, 19) (7, 12, 17, 22)

(15, 25, 35, 45) (10, 16, 20, 30)

④ Pens are sold six to a package. Which set shows possible numbers of pens that could be bought?

(12, 18, 24, 36) (6, 12, 15, 18)

(15, 21, 27, 33) (4, 10, 16, 22)

For each multiplication fact, write the other multiplication fact and the two division facts.

⑤

$$\begin{array}{r} 11 \\ \times 6 \\ \hline 66 \end{array}$$

$$\begin{array}{r} 6 \\ \times 11 \\ \hline 66 \end{array}$$

$$6 \overline{)66}$$

$$11 \overline{)66}$$

⑥

$$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$$

$$7 \overline{)28}$$

$$4 \overline{)28}$$

⑦

$$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline 27 \end{array}$$

$$3 \overline{)27}$$

$$9 \overline{)27}$$

⑧

$$\begin{array}{r} 12 \\ \times 4 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 4 \\ \times 12 \\ \hline 48 \end{array}$$

$$4 \overline{)48}$$

$$12 \overline{)48}$$

Homework

A 7,042

$$\begin{array}{r} 2 \\ 729 \\ \times 3 \\ \hline 2,187 \end{array}$$

$$\begin{array}{r} 3 \\ 971 \\ \times 5 \\ \hline 4,855 \end{array}$$

$$\begin{array}{r} 2,187 \\ + 4,855 \\ \hline 7,042 \end{array}$$

B 10 r4

$$2 \overline{)9} \begin{array}{l} 4 \text{ r}1 \\ -8 \\ \hline 1 \end{array}$$

$$3 \overline{)14} \begin{array}{l} 4 \text{ r}2 \\ -12 \\ \hline 2 \end{array}$$

$$8 \overline{)17} \begin{array}{l} 2 \text{ r}1 \\ -16 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 4 \text{ r}1 \\ 4 \text{ r}2 \\ + 2 \text{ r}1 \\ \hline 10 \text{ r}4 \end{array}$$

Round to the nearest hundred. **C** 800

$$360 \quad \underline{400}$$

$$284 \quad \underline{300}$$

$$137 \quad \underline{100}$$

$$\begin{array}{r} 400 \\ 300 \\ + 100 \\ \hline 800 \end{array}$$

Select the number from the given set to fill in the blank. **D** 3,729

(2,434; 2,343; 2,344; 2,443)

2,344 > 2,343

one thousand, three hundred eighty-six

$$\begin{array}{r} 2,343 \\ + 1,386 \\ \hline 3,729 \end{array}$$

Every day Shauna teaches a class for three hours in the morning and for four hours in the evening. How many hours does she teach over five days?

$$3 + 4 = 7$$

$$5 \times 7 = 35$$

35 hours

Karen went hiking for eight hours. She spent the same amount of time on each of four different trails. How much time did she spend on each trail? **E** 37

$$8 \div 4 = 2$$

2 hours

$$\begin{array}{r} 35 \\ + 2 \\ \hline 37 \end{array}$$

In his last basketball game, Jared made fourteen 2-point shots. How many points came from 2-point shots?

$$\begin{array}{r} 14 \\ \times 2 \\ \hline 28 \end{array}$$

28 points

Randy bought a seven-foot piece of rope and cut off four eight-inch pieces. How long is the piece he has left? **F** 80

$$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 12 \\ \times 7 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 84 \\ - 32 \\ \hline 52 \end{array}$$

$$\begin{array}{r} 28 \\ + 52 \\ \hline 80 \end{array}$$

52 inches