

Connecting Multiplication and Division

NCTM Standards 1, 2, 6, 7, 8, 9, 10

Find the missing number.

1

×	
4	36

2

×	
2	36

3

×	6
	54

4

×	5
	40

5

×	
9	63

6

×	12
10	

Find the missing product or factor.

7

$$7 \overline{) 56}$$

8

$$\begin{array}{r} 8 \\ 7 \overline{) 72} \end{array}$$

9

$$4 \overline{) 100}$$

10

$$7 \overline{) \quad 7}$$

11

$$10 \overline{) 130}$$

12

$$12 \overline{) 120}$$

13

$$\begin{array}{r} 8 \\ 6 \overline{) 64} \end{array}$$

14

$$\begin{array}{r} 20 \\ 1 \overline{) 100} \end{array}$$

15

$$5 \overline{) 40}$$

16

$$9 \overline{) 99}$$

17

$$3 \overline{) 150}$$

18

$$10 \overline{) 17}$$

19

$$30 \overline{) 600}$$

20

$$50 \overline{) 1,000}$$

21

$$20 \overline{) 420}$$

22

$$20 \overline{) 500}$$

23

$$30 \overline{) \quad 40}$$

24

$$60 \overline{) 1,200}$$

Solve one problem in each pair to help you solve the other.

25

$$\begin{array}{r} 6 \overline{) 54} \\ \hline \end{array}$$

↕

$$\begin{array}{r} 3 \overline{) 54} \\ \hline \end{array}$$

26

$$\begin{array}{r} 6 \overline{) 60} \\ \hline \end{array}$$

↕

$$\begin{array}{r} 12 \overline{) 60} \\ \hline \end{array}$$

27

$$\begin{array}{r} 12 \\ 7 \overline{) } \\ \hline \end{array}$$

↕

$$\begin{array}{r} 6 \\ 14 \overline{) } \\ \hline \end{array}$$

28

$$\begin{array}{r} 12 \\ 10 \overline{) } \\ \hline \end{array}$$

↕

$$\begin{array}{r} 5 \overline{) 120} \\ \hline \end{array}$$



29 Pick one of the pairs above. Explain how you used one problem to help you solve the other.

Whenever possible, use solutions to earlier problems to help you solve new ones.

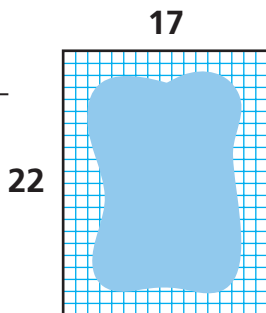
30

$$12 \overline{) 240} \longrightarrow 12 \overline{) 480} \longrightarrow 24 \overline{) 480} \longrightarrow 24 \overline{) 40}$$

31

$$13 \overline{) 130} \longrightarrow 26 \overline{) 130} \longrightarrow \begin{array}{r} 15 \\ 3 \overline{) 90} \\ \hline \end{array} \longrightarrow 26 \overline{) 520}$$

32 Challenge A piece of half-inch graph paper has 22 rows of squares with 17 squares in each row. How many squares does it have?



33 Challenge Kristina's mom used 861 one-inch square tiles to tile the top of Kristina's dresser. There were 21 rows of tiles. How many tiles are in each row?

