SKILL 22: Division Facts

Each part of a division problem has a name.
You can write the same division problem two ways.

$$\begin{array}{r} 8 \\ 6\overline{)48} \end{array} \leftarrow \text{quotient}$$

divisor dividend

dividend
↓
$$48 \div 6 = 8$$
divisor   quotient

Since $8 \times 6 = 6 \times 8 = 48$, we know that $48 \div 6 = 8$ and $48 \div 8 = 6$.

Example

Divide: $63 \div 7$.

Use a related multiplication fact. $7 \times \boxed{9} = 63$ or $\boxed{9} \times 7 = 63$
The missing factor is 9.
So, $63 \div 7 = 9$.

Guided Practice

Find the related multiplication and division facts.

1. $5 \times 7 = $ _____

_____ $\div 7 = 5$

_____ $\div 5 = 7$

2. _____ $\times 4 = 32$

$32 \div 4 = $ _____

$32 \div $ _____ $= 4$

3. $9 \times $ _____ $= 72$

$72 \div 9 = $ _____

$72 \div $ _____ $= 9$

Complete each table. Divide each number in the top row by the number at the left of the second row.

4.

	8	16	24	32	40		56		72
÷ 8		2				6		8	

5.

	0	9	18		36			63	72	
÷ 9		1				5	6			

6.

	14		28		42		56	
÷ 7				5				

SKILL 22: Practice

Find the related multiplication and division facts.

1. 8 × 7 = _____

_____ ÷ 7 = 8

_____ ÷ 8 = 7

2. _____ × 4 = 36

36 ÷ 4 = _____

36 ÷ _____ = 4

3. 9 × _____ = 54

54 ÷ 9 = _____

54 ÷ _____ = 9

Divide.

4. 81 ÷ 9 = _____

5. 64 ÷ 8 = _____

6. 45 ÷ 9 = _____

7. 30 ÷ 5 = _____

8. 49 ÷ 7 = _____

9. 28 ÷ 4 = _____

10. 81 ÷ 9 = _____

11. 36 ÷ 4 = _____

12. $9\overline{)27}$

13. $5\overline{)45}$

14. $6\overline{)42}$

15. $8\overline{)40}$

16. $9\overline{)36}$

17. $7\overline{)28}$

18. $3\overline{)27}$

19. $7\overline{)42}$

Solve.

20. Hannah saved $72 over a 9-week period.
She saved the same amount each week.
How much money did she save each week?   _____

21. Last week, Shelby earned $32 mowing
lawns for 8 hours. He earned $35 washing
cars for 7 hours. Which job paid more for
each hour of work?   _____

TEST PREP

22. Which is a related division fact
for 4 × 9 = 36?

Skill 22

A 36 ÷ 6 = 6   **C** 36 ÷ 3 = 12

B 36 ÷ 9 = 4   **D** 9 ÷ 4 = 36

23. A business made a profit of
$28,233 in one year. The next
year, it made a profit of $94,712.
What is a good estimate of the
increase in profit?

Skill 6

F $60,000   **H** $120,000

G $70,000   **J** $180,000