

× and ÷ Facts

Unit Test, Form A (page 1 of 2)

Score _____ / 12

1. Multiply and divide by 3.

$$3 \times 8 = \underline{\quad}$$

$$27 \div 3 = \underline{\quad}$$

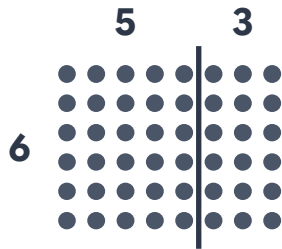
$$\underline{\quad} \div 3 = 7$$

2. Double the 2s to find the 4s.

$$2 \times 7 = \underline{\quad}$$

$$4 \times 7 = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

3. The line breaks the array into two parts. Find each part. Add the parts.



$$6 \times 5 = \underline{\quad}$$

$$6 \times 3 = \underline{\quad}$$

$$6 \times 8 = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

4. Use 5 groups to find 6 groups.

$$5 \times 9 = \underline{\quad}$$

$$6 \times 9 = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

5. Multiply and divide by 7.

$$7 \times 8 = \underline{\quad}$$

$$42 \div 7 = \underline{\quad}$$

$$\underline{\quad} \div 7 = 9$$

6. Double the 4s to find the 8s.

$$4 \times 9 = \underline{\quad}$$

$$8 \times 9 = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

7. Use 10 groups to find 9 groups.

$$10 \times 7 = \underline{\quad}$$

$$9 \times 7 = \underline{\quad} - \underline{\quad} = \underline{\quad}$$

× and ÷ Facts

Unit Test, Form A (page 2 of 2)

8. Group the factors two ways. Multiply.

$$(8 \times 5) \times 2 = \underline{\quad} \times 2 = \underline{\quad}$$

$$8 \times (5 \times 2) = 8 \times \underline{\quad} = \underline{\quad}$$

9. Multiply.

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

10. Divide.

$$49 \div 7 = \underline{\quad} \quad 64 \div 8 = \underline{\quad} \quad 90 \div 9 = \underline{\quad} \quad 60 \div 6 = \underline{\quad}$$

$$25 \div 5 = \underline{\quad} \quad 15 \div 3 = \underline{\quad} \quad 9 \div 3 = \underline{\quad} \quad 12 \div 2 = \underline{\quad}$$

11. Multiply and divide.

$$11 \times 6 = \underline{\quad}$$

$$84 \div 12 = \underline{\quad}$$

$$\underline{\quad} \div 11 = 9$$

12. Break 12 into 10 and 2. Multiply.

$$10 \times 8 = \underline{\quad}$$

$$2 \times 8 = \underline{\quad}$$

$$12 \times 8 = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

× and ÷ Facts

Unit Test, Form B (page 1 of 2)

Score _____ / 12

1. Multiply and divide by 3.

$$3 \times 9 = \underline{\quad}$$

$$21 \div 3 = \underline{\quad}$$

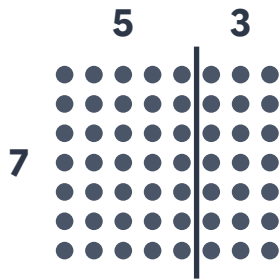
$$\underline{\quad} \div 3 = 6$$

2. Double the 2s to find the 4s.

$$2 \times 6 = \underline{\quad}$$

$$4 \times 6 = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

3. The line breaks the array into two parts. Find each part. Add the parts.



$$7 \times 5 = \underline{\quad}$$

$$7 \times 3 = \underline{\quad}$$

$$7 \times 8 = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

4. Use 5 groups to find 6 groups.

$$5 \times 8 = \underline{\quad}$$

$$6 \times 8 = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

5. Multiply and divide by 7.

$$7 \times 6 = \underline{\quad}$$

$$63 \div 7 = \underline{\quad}$$

$$\underline{\quad} \div 7 = 4$$

6. Double the 4s to find the 8s.

$$4 \times 8 = \underline{\quad}$$

$$8 \times 8 = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

7. Use 10 groups to find 9 groups.

$$10 \times 6 = \underline{\quad}$$

$$9 \times 6 = \underline{\quad} - \underline{\quad} = \underline{\quad}$$

× and ÷ Facts

Unit Test, Form B (page 2 of 2)

8. Group the factors two ways. Multiply.

$$(6 \times 5) \times 2 = \underline{\quad} \times 2 = \underline{\quad}$$

$$6 \times (5 \times 2) = 6 \times \underline{\quad} = \underline{\quad}$$

9. Multiply.

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

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

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

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

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

10. Divide.

$$81 \div 9 = \underline{\quad} \quad 36 \div 6 = \underline{\quad} \quad 70 \div 7 = \underline{\quad} \quad 80 \div 8 = \underline{\quad}$$

$$24 \div 8 = \underline{\quad} \quad 20 \div 5 = \underline{\quad} \quad 12 \div 4 = \underline{\quad} \quad 16 \div 2 = \underline{\quad}$$

11. Multiply and divide.

$$11 \times 8 = \underline{\quad}$$

$$72 \div 12 = \underline{\quad}$$

$$\underline{\quad} \div 11 = 7$$

12. Break 12 into 10 and 2. Multiply.

$$10 \times 9 = \underline{\quad}$$

$$2 \times 9 = \underline{\quad}$$

$$12 \times 9 = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

× and ÷ Facts

Unit Test, Form A (page 1 of 2)

Score _____ / 12

1. Multiply and divide by 3.

$$3 \times 8 = \underline{24}$$

$$27 \div 3 = \underline{9}$$

$$\underline{21} \div 3 = 7$$

Lesson 3.1 · Multiply and divide by 3

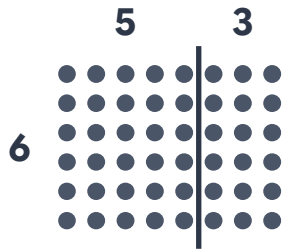
2. Double the 2s to find the 4s.

$$2 \times 7 = \underline{14}$$

$$4 \times 7 = \underline{14} + \underline{14} = \underline{28}$$

Lesson 3.2 · Multiply by 4: double the 2s

3. The line breaks the array into two parts. Find each part. Add the parts.



$$6 \times 5 = \underline{30}$$

$$6 \times 3 = \underline{18}$$

$$6 \times 8 = \underline{30} + \underline{18} = \underline{48}$$

Lesson 3.3 · Break apart to multiply

4. Use 5 groups to find 6 groups.

$$5 \times 9 = \underline{45}$$

$$6 \times 9 = \underline{45} + \underline{9} = \underline{54}$$

Lesson 3.4 · Multiply by 6: 5 groups and 1 more

5. Multiply and divide by 7.

$$7 \times 8 = \underline{56}$$

$$42 \div 7 = \underline{6}$$

$$\underline{63} \div 7 = 9$$

Lesson 3.5 · Multiply and divide by 7

6. Double the 4s to find the 8s.

$$4 \times 9 = \underline{36}$$

$$8 \times 9 = \underline{36} + \underline{36} = \underline{72}$$

Lesson 3.6 · Multiply by 8: double the 4s

7. Use 10 groups to find 9 groups.

$$10 \times 7 = \underline{70}$$

$$9 \times 7 = \underline{70} - \underline{7} = \underline{63}$$

Lesson 3.7 · Multiply by 9: 10 groups minus 1

× and ÷ Facts

Unit Test, Form A (page 2 of 2)

8. Group the factors two ways. Multiply.

$$(8 \times 5) \times 2 = \underline{40} \times 2 = \underline{80}$$

$$8 \times (5 \times 2) = 8 \times \underline{10} = \underline{80}$$

Lesson 3.8 · Group three factors

9. Multiply.

$$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$$

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

$$\begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array}$$

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

$$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline 20 \end{array}$$

Lesson 3.9 · Multiplication facts

10. Divide.

$$49 \div 7 = \underline{7} \quad 64 \div 8 = \underline{8} \quad 90 \div 9 = \underline{10} \quad 60 \div 6 = \underline{10}$$

$$25 \div 5 = \underline{5} \quad 15 \div 3 = \underline{5} \quad 9 \div 3 = \underline{3} \quad 12 \div 2 = \underline{6}$$

Lesson 3.10 · Division facts

11. Multiply and divide.

$$11 \times 6 = \underline{66}$$

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

$$\underline{99} \div 11 = 9$$

Lesson 3.11 · Facts with 11 and 12

12. Break 12 into 10 and 2. Multiply.

$$10 \times 8 = \underline{80}$$

$$2 \times 8 = \underline{16}$$

$$12 \times 8 = \underline{80} + \underline{16} = \underline{96}$$

Lesson 3.11 · Facts with 11 and 12

× and ÷ Facts

Unit Test, Form B (page 1 of 2)

Score _____ / 12

1. Multiply and divide by 3.

$$3 \times 9 = \underline{27}$$

$$21 \div 3 = \underline{7}$$

$$\underline{18} \div 3 = \underline{6}$$

Lesson 3.1 · Multiply and divide by 3

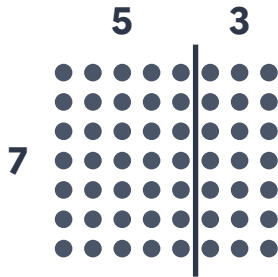
2. Double the 2s to find the 4s.

$$2 \times 6 = \underline{12}$$

$$4 \times 6 = \underline{12} + \underline{12} = \underline{24}$$

Lesson 3.2 · Multiply by 4: double the 2s

3. The line breaks the array into two parts. Find each part. Add the parts.



$$7 \times 5 = \underline{35}$$

$$7 \times 3 = \underline{21}$$

$$7 \times 8 = \underline{35} + \underline{21} = \underline{56}$$

Lesson 3.3 · Break apart to multiply

4. Use 5 groups to find 6 groups.

$$5 \times 8 = \underline{40}$$

$$6 \times 8 = \underline{40} + \underline{8} = \underline{48}$$

Lesson 3.4 · Multiply by 6: 5 groups and 1 more

5. Multiply and divide by 7.

$$7 \times 6 = \underline{42}$$

$$63 \div 7 = \underline{9}$$

$$\underline{28} \div 7 = \underline{4}$$

Lesson 3.5 · Multiply and divide by 7

6. Double the 4s to find the 8s.

$$4 \times 8 = \underline{32}$$

$$8 \times 8 = \underline{32} + \underline{32} = \underline{64}$$

Lesson 3.6 · Multiply by 8: double the 4s

7. Use 10 groups to find 9 groups.

$$10 \times 6 = \underline{60}$$

$$9 \times 6 = \underline{60} - \underline{6} = \underline{54}$$

Lesson 3.7 · Multiply by 9: 10 groups minus 1

× and ÷ Facts

Unit Test, Form B (page 2 of 2)

8. Group the factors two ways. Multiply.

$$(6 \times 5) \times 2 = \underline{30} \times 2 = \underline{60}$$

$$6 \times (5 \times 2) = 6 \times \underline{10} = \underline{60}$$

Lesson 3.8 · Group three factors

9. Multiply.

$$\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \end{array}$$

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

$$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$$

Lesson 3.9 · Multiplication facts

10. Divide.

$$81 \div 9 = \underline{9} \quad 36 \div 6 = \underline{6} \quad 70 \div 7 = \underline{10} \quad 80 \div 8 = \underline{10}$$

$$24 \div 8 = \underline{3} \quad 20 \div 5 = \underline{4} \quad 12 \div 4 = \underline{3} \quad 16 \div 2 = \underline{8}$$

Lesson 3.10 · Division facts

11. Multiply and divide.

$$11 \times 8 = \underline{88}$$

$$72 \div 12 = \underline{6}$$

$$\underline{77} \div 11 = 7$$

Lesson 3.11 · Facts with 11 and 12

12. Break 12 into 10 and 2. Multiply.

$$10 \times 9 = \underline{90}$$

$$2 \times 9 = \underline{18}$$

$$12 \times 9 = \underline{90} + \underline{18} = \underline{108}$$

Lesson 3.11 · Facts with 11 and 12