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# REPRODUCIBLE MASTERS

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## Placement Tests for **The Learning Skills Series: Mathematics**

There are four placement tests to help you start each student in the appropriate book of *The Learning Skills Series: Mathematics*. The tests are called Lesson 1, Lesson 2, and so on. Each lesson contains 33 problems of increasing difficulty. Students who score at or above 75 percent (25 correct answers) on a lesson should take the next lesson. However, do not give more than two lessons in one day. Placement should be according to the chart below:

Lesson 1	Lesson 2	Lesson 3	Lesson 4	Begin work in:
75%				<i>Acquiring Mathematics Skills</i>
75%	75%			<i>Building Mathematics Skills</i>
75%	75%	75%		<i>Continuing Mathematics Skills</i>
75%	75%	75%	75%	<i>Developing Mathematics Skills</i>

For more information on using the placement tests, see pages v, 159-160 of the Teacher's Manual.

### Answers to Placement Tests

#### Lesson 1

- 7; 8; 9; 8; 2
- 7; 10; 11; 14; 10
- 16; 29; 85; 75; 77
- 3; 1; 1; 2; 4
- 2; 2; 3; 2; 0
- 1; 5; 9; 41; 62; 10:00; 5:00; 30¢

#### Lesson 2

- 15; 13; 8; 14; 11; 77
- 87; 36; 40; 92; 150; 1513
- 13; 11; 52; 71; 9
- 8; 4; 7; 3; 85; 18
- 15; 12; 8; 0; 9
- 25; 20; 6; 10; 12

#### Lesson 3

- 88; 799; 1215; 221; 1081; \$2.20
- 16; 36; 252; 219; 648; \$7.77
- 320; 272; 5589; \$259.50; 818; 6272
- 864; 1058; 1260; 1098; 1404; 6450
- 5 r 2; 4 r 4; 43; 9 r 1; 9 r 1
- 1; 2/5; 1/2; 2/9

#### Lesson 4

- 9458; 1990; 55.57; 1632; \$13.45; \$106.33
- 215; 181; \$2.67; 263; \$2.99; \$57.02
- 1458; 4075; 3042; 9912; 4.186; 83.79
- 141; 99; 127 r 3; 98 r 1; 42 r 1
- 1/2; 1; 1 1/3; 5/6; 1 1/4
- 1/4; 2/3; 1/6; 1/3; 3 1/3



### Phoenix Learning Resources, LLC

910 Church Street • Honesdale, PA 18431  
1-800-228-9345 • Fax: 570-253-3227 • www.phoenixlr.com

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**Lesson 1**

**Add.**

$$\begin{array}{r} 1. \quad 3 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$$

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

$$\begin{array}{r} 7 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 5 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 8 \\ \hline \end{array}$$

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

$$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 12 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ + 21 \\ \hline \end{array}$$

**Subtract.**

$$\begin{array}{r} 4. \quad 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$$

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

$$\begin{array}{r} 4 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 6 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 10 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ - 24 \\ \hline \end{array}$$

**Tell the time.**



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**Count the money.**



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*Lesson 2*

Add.

$$\begin{array}{r} 1. \quad 3 \\ \quad 5 \\ \quad + 7 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \quad 6 \\ \quad + 3 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \quad 2 \\ \quad + 0 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \quad 4 \\ \quad + 6 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \quad 2 \\ \quad + 4 \\ \hline \end{array} \quad \begin{array}{r} 29 \\ \quad 33 \\ \quad + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 63 \\ \quad + 24 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ \quad + 21 \\ \hline \end{array} \quad \begin{array}{r} 26 \\ \quad + 14 \\ \hline \end{array} \quad \begin{array}{r} 54 \\ \quad + 38 \\ \hline \end{array} \quad \begin{array}{r} 93 \\ \quad + 57 \\ \hline \end{array} \quad \begin{array}{r} 640 \\ \quad + 873 \\ \hline \end{array}$$

Subtract.

$$\begin{array}{r} 3. \quad 95 \\ \quad - 82 \\ \hline \end{array} \quad \begin{array}{r} 37 \\ \quad - 26 \\ \hline \end{array} \quad \begin{array}{r} 88 \\ \quad - 36 \\ \hline \end{array} \quad \begin{array}{r} 99 \\ \quad - 28 \\ \hline \end{array} \quad \begin{array}{r} 34 \\ \quad - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 15 \\ \quad - 7 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \quad - 6 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ \quad - 4 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ \quad - 9 \\ \hline \end{array} \quad \begin{array}{r} 94 \\ \quad - 9 \\ \hline \end{array} \quad \begin{array}{r} 36 \\ \quad - 18 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 5. \quad 5 \\ \quad \times 3 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \quad \times 6 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \quad \times 2 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \quad \times 0 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \quad \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 5 \\ \quad \times 5 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \quad \times 5 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \quad \times 3 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \quad \times 5 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \quad \times 3 \\ \hline \end{array}$$

**Lesson 3**

Add.

1. $\begin{array}{r} 24 \\ 56 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 432 \\ + 367 \\ \hline \end{array}$	$\begin{array}{r} 821 \\ + 394 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ 83 \\ + 96 \\ \hline \end{array}$	$\begin{array}{r} 394 \\ + 687 \\ \hline \end{array}$	$\begin{array}{r} \$1.23 \\ + .97 \\ \hline \end{array}$
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Subtract.

2. $\begin{array}{r} 31 \\ - 15 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ - 29 \\ \hline \end{array}$	$\begin{array}{r} 423 \\ - 171 \\ \hline \end{array}$	$\begin{array}{r} 693 \\ - 474 \\ \hline \end{array}$	$\begin{array}{r} 836 \\ - 188 \\ \hline \end{array}$	$\begin{array}{r} \$9.00 \\ - 1.23 \\ \hline \end{array}$
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Multiply.

3. $\begin{array}{r} 64 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 621 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} \$43.25 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 409 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 896 \\ \times 7 \\ \hline \end{array}$
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4. $\begin{array}{r} 32 \\ \times 27 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ \times 23 \\ \hline \end{array}$	$\begin{array}{r} 84 \\ \times 15 \\ \hline \end{array}$	$\begin{array}{r} 61 \\ \times 18 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ \times 52 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ \times 75 \\ \hline \end{array}$
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Divide.

5. $5 \overline{)27}$	$6 \overline{)28}$	$5 \overline{)215}$	$5 \overline{)46}$	$2 \overline{)19}$
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Add or subtract.

6. $\begin{array}{r} \frac{1}{2} \\ + \frac{1}{2} \\ \hline \end{array}$	$\begin{array}{r} \frac{1}{5} \\ + \frac{1}{5} \\ \hline \end{array}$	$\begin{array}{r} \frac{3}{4} \\ - \frac{1}{4} \\ \hline \end{array}$	$\begin{array}{r} \frac{8}{9} \\ - \frac{2}{3} \\ \hline \end{array}$
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*lesson 4*

Watch the signs.

1.	$\begin{array}{r} 1734 \\ + 7724 \\ \hline \end{array}$	$\begin{array}{r} 423 \\ 746 \\ + 821 \\ \hline \end{array}$	$\begin{array}{r} 42.36 \\ 8.3 \\ + 4.91 \\ \hline \end{array}$	$\begin{array}{r} 735 \\ + 897 \\ \hline \end{array}$	$\begin{array}{r} \$10.46 \\ + 2.99 \\ \hline \end{array}$	$\begin{array}{r} \$84.36 \\ + 21.97 \\ \hline \end{array}$
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2.	$\begin{array}{r} 340 \\ - 125 \\ \hline \end{array}$	$\begin{array}{r} 528 \\ - 347 \\ \hline \end{array}$	$\begin{array}{r} \$8.13 \\ - 5.46 \\ \hline \end{array}$	$\begin{array}{r} 400 \\ - 137 \\ \hline \end{array}$	$\begin{array}{r} \$12.86 \\ - 9.87 \\ \hline \end{array}$	$\begin{array}{r} \$64.00 \\ - 6.98 \\ \hline \end{array}$
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3.	$\begin{array}{r} 54 \\ \times 27 \\ \hline \end{array}$	$\begin{array}{r} 163 \\ \times 25 \\ \hline \end{array}$	$\begin{array}{r} 78 \\ \times 39 \\ \hline \end{array}$	$\begin{array}{r} 236 \\ \times 42 \\ \hline \end{array}$	$\begin{array}{r} 8.05 \\ \times .52 \\ \hline \end{array}$	$\begin{array}{r} 93.1 \\ \times .9 \\ \hline \end{array}$
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4.	$3 \overline{)423}$	$3 \overline{)297}$	$5 \overline{)638}$	$2 \overline{)197}$	$4 \overline{)169}$
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5.	$\begin{array}{r} \frac{1}{4} \\ + \frac{1}{4} \\ \hline \end{array}$	$\begin{array}{r} \frac{2}{5} \\ + \frac{3}{5} \\ \hline \end{array}$	$\begin{array}{r} \frac{2}{3} \\ + \frac{2}{3} \\ \hline \end{array}$	$\begin{array}{r} \frac{1}{6} \\ + \frac{2}{3} \\ \hline \end{array}$	$\begin{array}{r} \frac{1}{2} \\ + \frac{3}{4} \\ \hline \end{array}$
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6.	$\begin{array}{r} \frac{3}{4} \\ - \frac{1}{2} \\ \hline \end{array}$	$\begin{array}{r} \frac{8}{9} \\ - \frac{2}{9} \\ \hline \end{array}$	$\begin{array}{r} \frac{2}{3} \\ - \frac{1}{2} \\ \hline \end{array}$	$\begin{array}{r} \frac{5}{6} \\ - \frac{1}{3} \\ \hline \end{array}$	$\begin{array}{r} 1\frac{2}{3} \\ + 1\frac{2}{3} \\ \hline \end{array}$
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