

**Extra Practice 1****Lesson 1: Exploring One Million**

1. A baseball bat is about 1 metre long. How long would a row of 1 million bats be?  
Give your answer in as many different units as you can.
2. Suppose you have 1 million pennies.  
How many loonies could you trade them for?  
How many toonies?  
How many \$5 bills? \$10 bills? \$20 bills? \$50 bills? \$100 bills?

**Lesson 2: Representing, Comparing, and Ordering Numbers**

1. Write each number in standard form.  
a)  $20\,000\,000\,3\,000\,000 + 600\,000 + 4000 + 500 + 6$   
b) eight million thirty-seven thousand fifteen  
c)  $50\,000\,000 + 8000 + 6$
2. Write each number in expanded form.  
a) 2 467 081                      b) 73 111 215  
c) 13 105 002                     d) 684 322
3. Write the value of each underlined digit.  
a) 7 624 321                    b) 85 314 007  
c) 126 480 305                  d) 16 994 324
4. Order the numbers from least to greatest.  
a) 2 673 512, 2 679 342, 985 093, 12 481 532  
b) 66 324 013, 52 481 917, 9 385 426, 904 158  
c) 137 264 418, 85 402 689, 3478, 23 598

**Extra Practice 2****Lesson 3: Multiplication and Division Facts to 144**

1. How many eggs are in 9 dozen?
2. Write four related facts for each set of numbers:  
a) 5, 12, 60                      b) 11, 7, 77
3. How does knowing the product  $6 \times 7$  help you find the product  $12 \times 7$ ?

**Lesson 4: Multiplying with Multiples of 10**

1. Multiply.  
a)  $7 \times 700$                       b)  $90 \times 80$                       c)  $12 \times 600$                       d)  $30 \times 50$
2. There are 100 cm in 1 m.  
A piece of fabric is 12 m long.  
How many centimetres is that?
3. Rhianna puts eight \$20 bills and fifteen \$10 bills into a cash register.  
How much money did she put in the cash register?

## Extra Practice 3

**Lesson 5: Using Mental Math to Multiply**

- Use mental math to multiply.  
a)  $7 \times 397$       b)  $9 \times 502$       c)  $48 \times 25$       d)  $11 \times 62$
- Suhail has thirty-five \$10 bills and one hundred three \$5 bills.  
How much money does Suhail have?
- A tile floor has 16 rows of tiles.  
There are 26 tiles in each row.  
How many tiles are in the floor?

**Lesson 6: Multiplying by a 1-Digit Number**

- Use mental math to multiply.  
a)  $\begin{array}{r} 250 \\ \times 4 \\ \hline \end{array}$       b)  $\begin{array}{r} 125 \\ \times 8 \\ \hline \end{array}$       c)  $\begin{array}{r} 315 \\ \times 3 \\ \hline \end{array}$       d)  $\begin{array}{r} 2500 \\ \times 4 \\ \hline \end{array}$
- Estimate, then multiply.  
a)  $\begin{array}{r} 48 \\ \times 9 \\ \hline \end{array}$       a)  $\begin{array}{r} 527 \\ \times 6 \\ \hline \end{array}$       b)  $\begin{array}{r} 896 \\ \times 8 \\ \hline \end{array}$       c)  $\begin{array}{r} 2132 \\ \times 6 \\ \hline \end{array}$
- Find the perimeter of:  
a) a square with 127-cm sides  
b) a regular octagon with 37-cm sides  
c) a regular hexagon with 231-cm sides

**Lesson 7: Multiplying 2-Digit Numbers**

1. Multiply

a) 
$$\begin{array}{r} 84 \\ \times 44 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 41 \\ \times 87 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 45 \\ \times 37 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 83 \\ \times 70 \\ \hline \end{array}$$

2. Katelyn made a jigsaw puzzle with 24 rows of 29 pieces.

Lauren made a puzzle with 26 rows of 27 pieces.

Whose puzzle has more pieces? How many more?

3. A tile wall has 336 tiles.

How many rows of tiles might it have?

How many tiles would be in each row?

**Lesson 8: Estimating Quotients**

1. Estimate each quotient.

a)  $4835 \div 8$

b)  $2015 \div 5$

c)  $1897 \div 7$

d)  $2968 \div 4$

e)  $5038 \div 9$

f)  $4202 \div 6$

2. Ethna wants to make 4 identical structures using 585 building blocks.

About how many blocks will be in each structure?

3. Use mental math to divide.

a)  $276 \div 3$

b)  $468 \div 9$

c)  $128 \div 4$

d)  $301 \div 7$

**Extra Practice 5****Lesson 9: Dividing with Whole Numbers**

- Find each quotient.  
a)  $2640 \div 3$       b)  $5887 \div 7$       c)  $6396 \div 4$       d)  $1744 \div 8$
- In a 5-day week, a factory makes 6385 bicycles.  
Suppose the same number of bicycles is made each day.  
How many bicycles are made each day?
- Find each quotient greater than 1000.  
a)  $9258 \div 6$       b)  $3760 \div 5$       c)  $3884 \div 2$       d)  $9308 \div 4$

**Lesson 10: Solving Problems**

- Tickets to a school play cost \$8 for adults and \$5 for children.  
Suppose 60 adult tickets and 45 children's tickets were sold.  
How much money was made on the sale of tickets?
- Katherine's dog, Blackie, eats 21 kg of dog kibble in 3 weeks.  
How much kibble will he eat in 10 weeks?
- A local restaurant held a draw last weekend.  
Tickets cost \$6.  
Two hundred forty-three tickets were sold on Friday,  
397 on Saturday, and 132 on Sunday.  
How much money was collected altogether?

**Master 2.30****Extra Practice Answers****Extra Practice 1 – Master 2.25****Lesson 1**

- 1 million m, 1000 km, 100 million cm, 10 million dm, 1000 million mm (1 billion)
- 10 000 loonies, 5000 toonies, 2000 \$5 bills, 1000 \$10 bills, 500 \$20 bills, 200 \$50 bills, 100 \$100 bills

**Lesson 2**

- 23 604 506
  - 8 037 015
  - 50 008 006
- $2\,000\,000 + 400\,000 + 60\,000 + 7000 + 80 + 1$
  - $70\,000\,000 + 3\,000\,000 + 100\,000 + 10\,000 + 1000 + 200 + 10 + 5$
  - $10\,000\,000 + 3\,000\,000 + 100\,000 + 5000 + 2$
  - $600\,000 + 80\,000 + 4000 + 300 + 20 + 2$
- 6 hundred thousand
  - 5 million
  - 20 million
  - 10 million
- 985 093, 2 673 512, 2 679 342, 12 481 532
  - 904 158, 9 385 426, 52 481 917, 66 324 013
  - 3478, 23 598, 85 402 689, 137 264 418

**Extra Practice 2 – Master 2.26****Lesson 3**

- 108
- $5 \times 12 = 60$        $60 \div 5 = 12$   
 $12 \times 5 = 60$        $60 \div 12 = 5$
  - $11 \times 7 = 77$        $77 \div 7 = 11$   
 $7 \times 11 = 77$        $77 \div 11 = 7$
- $6 \times 7 = 42$ , so  $12 \times 7 = 2 \times 6 \times 7 = 2 \times 42 = 84$

**Lesson 4**

- 4900
  - 7200
  - 7200
  - 1500
- 1200 cm
- \$310

**Extra Practice 3 – Master 2.27****Lesson 5**

- 2779
  - 4518
  - 1200
  - 682
- \$865
- 416 tiles

**Lesson 6**

- 1000
  - 1000
  - 945
  - 10 000
- 432
  - 3162
  - 7168
  - 12 792
- 508 cm
  - 296 cm
  - 1386 cm

**Extra Practice 4 – Master 2.28****Lesson 7**

- 3696
  - 3567
  - 1665
  - 5810
- Lauren's; 6
- For example, there may be 12 rows of tiles; each row would have 28 tiles.

**Lesson 8**

- About 600
  - About 400
  - About 300
  - About 700
  - About 600
  - About 700
- About 150
- 92
  - 52
  - 32
  - 43

**Extra Practice 5 – Master 2.29****Lesson 9**

- 880
  - 841
  - 1599
  - 218
- 1277 bicycles
- 1543
  - 1942
  - 2327

**Lesson 10**

- \$705
- 70 kg
- \$4632