Practice Booklet for Multiplication & Division (Unit 3)

**Topic 1: Multiplication**

1. Write four related facts for each set of numbers:

 a) 8, 9, 72 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 b) 6, 8, 48 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Find each product.

 a) 8 × 0 = ­­\_\_\_\_\_\_ b) 5 × 5 = \_\_\_\_\_\_ c) 6 × 2 = \_\_\_\_\_\_

 d) 8 × 1 = \_\_\_\_\_\_ e) 7 × 4 = \_\_\_\_\_\_ f) 0 × 9 = \_\_\_\_\_\_

3. Multiply.

 a) 7 × 60 = \_\_\_\_\_ b) 9 × 80 = \_\_\_\_\_ c) 7 × 90 = \_\_\_\_\_\_

 d) 7 × 80 = \_\_\_\_\_ e) 7 × 800 = \_\_\_\_ f) 7 × 8000 = \_\_\_\_\_

4. Multiply.

 a) 30 × 40 = \_\_\_\_\_\_ b) 50 × 50 = \_\_\_\_\_\_ c) 60 × 70 = \_\_\_\_\_\_

 d) 3 × 800 = \_\_\_\_\_\_ e) 9 × 50 = \_\_\_\_\_\_ f) 6 × 7000 = \_\_\_\_\_

5. How much money in total?

 a) Five $10 bills = \_\_\_\_\_\_ b) Thirteen $100 bills = \_\_\_\_\_\_

 c) Thirty $10 bills and forty $50 bills = \_\_\_\_\_\_

6. Shayle puts eight $20 bills and fifteen $10 bills into a cash register.
How much money did she put in the cash register? \_\_\_\_\_\_

7. The goal of CIS is to sell 1500 raffle tickets.
Four hundred tickets are sold each week.
Will 1500 tickets be sold in 4 weeks?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Topic 2: Multiplication with estimation**

1. Round to the nearest 10 for each number.

 a) 67 \_\_\_\_\_\_ b) 89 \_\_\_\_\_\_ c) 32 \_\_\_\_\_\_ d) 94 \_\_\_\_\_\_

2. Round to the nearest 100 for each number.

 a) 460 \_\_\_\_\_\_ b) 720 \_\_\_\_\_ c) 910 \_\_\_\_\_ d) 880 \_\_\_\_\_\_

3. Estimate each product. Tell if your estimate is an overestimate,
an underestimate.

 a) 34 × 67 \_\_\_\_\_\_ b) 81 × 74 \_\_\_\_\_\_

4. There are 36 rows of chairs at the Fine Arts night in the gym.

 There are 18 chairs in each row.

 About how many chairs are in the gym? \_\_\_\_\_\_\_\_\_

5. Daniel delivers the newspaper every day of the week.

 He delivers 72 papers a day.

 a) About how many newspapers does he deliver in 1 week? \_\_\_\_\_\_

 b) About how many newspapers does he deliver in 1 month? \_\_\_\_\_\_

**Topic 3: Multiplication by splitting into expanded form**

1. Multiply by splitting into expanded form.

 a) 7 × 399 = \_\_\_\_\_\_ b) 9 × 502 = \_\_\_\_\_\_

 c) 8 × 25 = \_\_\_\_\_\_ d) 6 × 62 = \_\_\_\_\_\_

3. Faris works 40 hours a week. He is paid $12 an hour.

 a) How much does he make in 1 week? \_\_\_\_\_\_\_

 b) How much does he make in 3 weeks? \_\_\_\_\_\_\_

4. Crystal wants to make 24 towers using 55 blocks for each tower.

 How many blocks will she use altogether? \_\_\_\_\_\_\_

8. Multiply.

 a) 42 b) 28

 × 28 × 34

 c) 67 d) 74

 x 19 x 86

**Topic 4: Basic Division**

1. Divide.

 a) 36 ÷ 6= \_\_\_ b) 80 ÷ 8= \_\_\_\_ c) 49 ÷ 7= \_\_\_\_

 d) 56 ÷ 7= \_\_\_\_ e) 28 ÷ 4= \_\_\_\_ f) 46 ÷ 6= \_\_\_\_

 g) 32 ÷ 2= \_\_\_\_ h) 12 ÷ 4= \_\_\_\_ i) 35 ÷ 5= \_\_\_\_

2. Six hundred forty-five notebooks are packaged in packs of 7.

 About how many packs will there be? \_\_\_\_\_\_\_

3. Four hundred ten pencils are packaged in pencil cases of 4.

 About how many pencil cases are filled? \_\_\_\_\_\_\_

4. There are 9 chapters in a book.
There are 458 pages in the book.
The chapters have about the same number of pages.
About how many pages are in each chapter? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Topic 5: Division with Base 10 Blocks**

1. Use Base Ten Blocks to find 424 ÷ 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 

2. Find each quotient. Use Base Ten Blocks and place value.
Record your work.

 a) 264 ÷ 3

 c) 639 ÷ 4

**Topic 5: Long Division**

1. List the 4 steps of long division:

 1) \_\_\_\_\_\_\_\_\_\_\_\_\_

 2) \_\_\_\_\_\_\_\_\_\_\_\_\_

 3) \_\_\_\_\_\_\_\_\_\_\_\_\_

 4) \_\_\_\_\_\_\_\_\_\_\_\_\_

2. Find each quotient, using long division.

 a) 925 ÷ 6 = \_\_\_\_\_\_\_ b) 376 ÷ 5 = \_\_\_\_\_\_\_

 c) 388 ÷ 2 = \_\_\_\_\_\_\_ d) 930 ÷ 9 = \_\_\_\_\_\_\_

3. For each question, list the:

 a) Dividend: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 b) Divisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Topic 5: Word Problems**

1. Dana is making packages of 6 pencil crayons.

 She has 710 pencil crayons.

 How many packages of pencil crayons can Sydney make? \_\_\_\_\_\_

2. Tickets to a school play cost $8 for an adult and $5 for a child.
Sixty adult tickets and 45 child tickets were sold.
How much money was made on the sale of tickets? \_\_\_\_\_\_\_

3. Cameron’s dog, Blackie, eats 21 kg of dog kibble in 3 weeks.

 How much kibble will he eat in 10 weeks? \_\_\_\_\_\_\_