# Unit 10: Home Practice

## Part 1  Triangle Flash Cards: Last Six Facts

Study for the quiz on the division facts related to the last six multiplication facts (24 ÷ 4, 24 ÷ 6, 28 ÷ 4, 28 ÷ 7, 32 ÷ 4, 32 ÷ 8, 42 ÷ 6, 42 ÷ 7, 48 ÷ 6, 48 ÷ 8, 56 ÷ 7, 56 ÷ 8). Take home your Triangle Flash Cards and your list of facts you need to study.

Here's how to use the flash cards. Ask a family member to choose one flash card at a time. Your partner should cover the corner containing either the square or the circle. This number will be the answer to a division fact. Solve a division problem with the two uncovered numbers.

Your teacher will tell you when the quiz on these facts will be. Also, remember to study only those facts you cannot answer correctly and quickly.

## Part 2  Missing Numbers and Big Numbers

1. What number must $n$ be to make each number sentence true? After you have decided on a number for $n$, check your work by multiplying.

   **A.** $n \times 20 = 80$       **B.** $300 \times n = 1800$       **C.** $90 \times n = 2700$

   **D.** $50 \times n = 10{,}000$       **E.** $n \times 50 = 1500$       **F.** $70 \times n = 210$

2. **A.** Write the following numbers in order from smallest to largest.

   45,676     54,673     45,788     48,654     47,998     45,089

   **B.** Round 48,654 to the nearest thousand. _____

   **C.** Round 45,089 to the nearest hundred. _____

3. Use convenient numbers to estimate the answers to the following problems. Record number sentences to show your thinking.

   **A.** 608,965 + 28,696     **B.** 2,657,223 + 3,908,700   **C.** 378,904 – 99,645

Name _____  Date _____

**Part 3** School Supplies

Linda and her brother are buying school supplies. Notebooks are on sale for 39¢ each. Pencils are 4 for $1.00. A set of markers costs $2.98. Folders are 10 for $1.00.

1. Linda needs 3 notebooks, 1 set of markers, 1 folder, and 8 pencils. Estimate the cost of Linda's school supplies. Use a number sentence to show your thinking.

2. Linda's brother needs 5 notebooks, 1 set of markers, 3 folders, and 4 pencils. Estimate the cost of his school supplies. Use a number sentence to show your thinking.

3. What is the exact cost of each child's supplies? (There is no tax.)

4. What is the difference in price between the two children's supplies? Use a number sentence to show how you solved the problem.

**Part 4** Addition, Subtraction, and Multiplication

**Solve the following problems using paper and pencil or mental math. Estimate to make sure your answers are reasonable. Use the Strategies Menus in the *Student Guide* Reference section to help you.**

1. **A.** $68 - 49 =$      **B.** $167 + 67 =$    **C.** $284 + 238 =$    **D.** $432 - 197 =$

    **E.** $47 \times 9 =$      **F.** $26 \times 7 =$    **G.** $34 \times 9 =$    **H.** $23 \times 8 =$

2. Explain your estimation strategy for Question 1F.

3. Explain a possible mental math strategy for Question 1D.

## Part 5  Playing at the Park

1. **A.** When Shannon and her family arrived at the park on Saturday, Shannon counted 3 children on *each* of the following: the slide, the swings, the monkey bars, and the merry-go-round. How many children were at the park when Shannon arrived?

   **B.** If there were 8 more children than adults at the park, how many adults were at the park?

2. A used-car dealer is across the street from the park. Shannon's dad looked at some cars while Shannon and her sister played at the park. He liked two different cars. One car costs $4550 and the other costs $3775. What is the difference in price of the two cars?

3. Shannon treated her little sister and her mother to a treat. At a nearby stand she bought two cans of juice at 65¢ each and three popsicles at 85¢ each. She gave the vendor $5.00. How much change will Shannon receive?
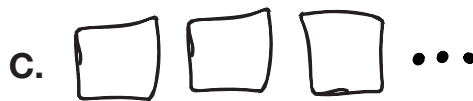
4. While playing in the park, Shannon's family saw a 5 kilometer race. 235 people were signed up to participate, but only 178 arrived the day of the race. How many people did not show up for the race?

5. **A.** Last summer, the park district raised money for new playground equipment. In June, $565 was raised. In July, $438 was raised. In August, $395 was raised. How much money was raised altogether for new playground equipment?

   **B.** How much money do they need to raise in September to reach their goal of $1500?

## **Part 6** Decimals

**1.** Decimal numbers are represented in base-ten shorthand below. The flat is one whole. Label each of the following with its correct number. Then, put the numbers in order from least to greatest.

**A.**

**B.**

**C.**

**D.**

**2.** Write a decimal for each of the following. Then, show your decimal using base-ten shorthand. The flat is one whole. Find a number that is:

**A.** Between 8 and 9

**B.** Between 4 and 4.5

**C.** Just a little bigger than 8

**D.** Between $\frac{1}{2}$ and 2

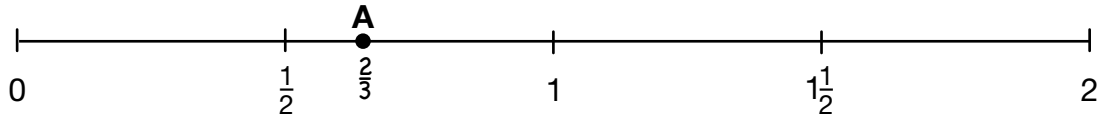**For Questions 3 and 4, put the measurements in order from shortest to longest.**

**3.** 0.6 m          23 cm          1 dm          0.45 m          55 dm

_____

**4.** 1.5 m          1 m and 8 dm          1.03 meter          1.24 meter

_____

## Part 7 Comparing and Ordering Fractions

1. Estimate where these fractions belong on the number line below. The first is done for you.

**A.** $\frac{2}{3}$        **B.** $\frac{7}{4}$        **C.** $\frac{8}{10}$        **D.** $1\frac{1}{4}$        **E.** $\frac{3}{8}$

```
           A
     ●
|----+----+----+----+----+----|
0    1/2  2/3  1    1½   2
```

2. Put the correct sign ( <, >, = ) between the fraction pairs below.

**A.** $\frac{2}{3}$ ☐ $\frac{1}{2}$        **B.** $\frac{3}{6}$ ☐ $\frac{4}{8}$        **C.** $\frac{5}{6}$ ☐ $\frac{5}{8}$

**D.** $\frac{9}{8}$ ☐ $\frac{5}{8}$        **E.** $\frac{7}{7}$ ☐ $\frac{3}{3}$        **F.** $\frac{3}{4}$ ☐ $\frac{5}{6}$

## Part 8 Matching Decimals and Representations

Circle the decimal that matches the picture or fraction.

1. 
**A.** 3        **B.** 0.3        **C.** 0.03        **D.** 0.003

2. 
**A.** $7        **B.** $0.70        **C.** $.7        **D.** $0.07

3. $\frac{75}{100} = \frac{3}{4}$

**A.** 0.75        **B.** 0.075        **C.** 0.3        **D.** 0.04

4. $\frac{1}{2}$

**A.** 0.2        **B.** 0.05        **C.** 0.5        **D.** 0.02

**Teacher Guide**

**Part 2. Missing Numbers and Big Numbers**

**Questions 1–3 (TG p. 1)**

1. **A.** $n = 4$
   **B.** $n = 6$
   **C.** $n = 30$
   **D.** $n = 200$
   **E.** $n = 30$
   **F.** $n = 3$

2. **A.** 45,089; 45,676; 45,788; 47,998; 48,654; 54,673
   **B.** 49,000
   **C.** 45,100

3. Answers will vary. Possible answers are:
   **A.** $600{,}000 + 30{,}000 = 630{,}000$
   **B.** $2{,}700{,}000 + 4{,}000{,}000 = 6{,}700{,}000$
   **C.** $400{,}000 - 100{,}000 = 300{,}000$

**Part 3. School Supplies**

**Questions 1–4 (TG p. 2)**

1. $3 \times \$0.40 = \$1.20$;
   $\$1.20 + \$3 + \$0.10 + \$2 = \$6.30$

2. $5 \times \$0.40 = \$2$;
   $\$2 + \$3 + \$0.30 + \$1 = \$6.30$

3. Linda: $6.25
   Linda's brother: $6.23

4. $\$6.25 - \$6.23 = \$0.02$ or 2¢

**Part 4. Addition, Subtraction, and Multiplication**

**Questions 1–3 (TG p. 2)**

1. **A.** 19          **B.** 234
   **C.** 522          **D.** 235
   **E.** 423          **F.** 182
   **G.** 306          **H.** 184

2. Possible strategy: $26 \times 7$ is close to $25 \times 7$. Skip count by 25s seven times: 25, 50, 75, 100, 125, 150, 175. $26 \times 7$ is about 175.

3. Possible strategy: $432 - 197$ is the same as $435 - 200 = 235$.

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**Teacher Guide - Page 1**

Name _____  Date _____

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**Teacher Guide - Page 1**

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Name _____  Date _____

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**Teacher Guide - Page 2**

Name _____ Date _____

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3  TG · Grade 4 · Unit 10 · Home Practice

*Teacher Guide* - Page 3

Name _____ Date _____

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B.

C.

D.

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TG · Grade 4 · Unit 10 · Home Practice  4

*Teacher Guide* - Page 4

## Part 5. Playing at the Park

## Questions 1–5 (TG p. 3)

**1. A.** 12 children

**B.** 4 adults

**2.** $775

**3.** $1.15

**4.** 57 people

**5. A.** $1398

**B.** $102

## Part 6. Decimals

## Questions 1–4 (TG p. 4)
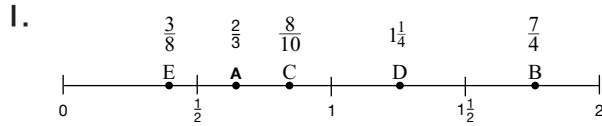
**1. A.** 3.3

**B.** 3.6

**C.** 3.03

**D.** 4.4

3.03; 3.3; 3.6; 4.4

**2.** Answers will vary.

**3.** 1 dm, 23 cm, 0.45 m, 0.6 m, 55 dm

**4.** 1.03 meter, 1.24 meter, 1.5 meter, 1 m and 8 dm

**Part 7. Comparing and Ordering**

**Fractions Questions 1–2 (TG p. 5)**

1.

$$\frac{3}{8} \quad \frac{2}{3} \quad \frac{8}{10} \qquad 1\frac{1}{4} \qquad \qquad \frac{7}{4}$$

E   A   C        D            B

0        $\frac{1}{2}$        1        $1\frac{1}{2}$        2

2. A. $\frac{2}{3}$ $\boxed{>}$ $\frac{1}{2}$   B. $\frac{3}{6}$ $\boxed{=}$ $\frac{4}{8}$   C. $\frac{5}{6}$ $\boxed{>}$ $\frac{5}{8}$

D. $\frac{9}{8}$ $\boxed{>}$ $\frac{5}{8}$   E. $\frac{7}{7}$ $\boxed{=}$ $\frac{3}{3}$   F. $\frac{3}{4}$ $\boxed{<}$ $\frac{5}{6}$

**Part 8. Matching Decimals and**

**Representations**

**Questions 1–4 (TG p. 5)**

1. B

2. D

3. A

4. C

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**Part 7** **Comparing and Ordering Fractions**

1. Estimate where these fractions belong on the number line below. The first is done for you.

   A. $\frac{2}{3}$   B. $\frac{7}{4}$   C. $\frac{8}{10}$   D. $1\frac{1}{4}$   E. $\frac{3}{8}$

   A

   0        $\frac{1}{2}$ $\frac{2}{3}$        1        $1\frac{1}{2}$        2

2. Put the correct sign ( <, >, = ) between the fraction pairs below.

   A. $\frac{2}{3}$ $\boxed{\phantom{x}}$ $\frac{1}{2}$   B. $\frac{3}{6}$ $\boxed{\phantom{x}}$ $\frac{4}{8}$   C. $\frac{5}{6}$ $\boxed{\phantom{x}}$ $\frac{5}{8}$

   D. $\frac{9}{8}$ $\boxed{\phantom{x}}$ $\frac{5}{8}$   E. $\frac{7}{7}$ $\boxed{\phantom{x}}$ $\frac{3}{3}$   F. $\frac{3}{4}$ $\boxed{\phantom{x}}$ $\frac{5}{6}$

**Part 8** **Matching Decimals and Representations**

Circle the decimal that matches the picture or fraction.

1.

   A. 3   B. 0.3   C. 0.03   D. 0.003

2.

   A. $7   B. $0.70   C. $.7   D. $0.07

3. $\frac{75}{100} = \frac{3}{4}$

   A. 0.75   B. 0.075   C. 0.3   D. 0.04

4. $\frac{1}{2}$

   A. 0.2   B. 0.05   C. 0.5   D. 0.02

*Teacher Guide* - **Page 5**