For students entering Grade 6.

Dear Parents and Students,

Attached, please find this year's summer practice packet for math. These packets will be due to the homeroom or mathematics teacher on the first day of school and will count as a grade for the first trimester. Please see rubric below for grading details. As you will see on the rubric, in order to receive the full 30 points, all problems must be complete, neat and organized, with detailed work shown for each problem (where applicable). Thank you in advance for your focused effort on this year's summer math packet. It is our hope that completing the math packet will reinforce the skills taught this year. We hope you enjoy a fantastic summer and look forward to working with you again this fall.

Sincerely,

Dawn Parker

Dawn Parker

Summer Math Packet Rubric

Name: _____

A. All problems in the packet are complete.

Points: 10 8 6 4 2

B. Detailed work process is shown for each problem (use extra paper as needed).

Points: 10 8 6 4 2

C. Work is neat and organized.

Points: 5 4 3 2 1

D. Summer Practice Packet is handed in on time (the first day of school). One point will be deducted for e ach day the assignment is late.

Points: 5 4 3 2 1

Total Points Possible: 30 Points Earned: _____

15. A particular female Asian elephant weighs 4.63 tons. What is this decimal written in word form? (pp. P273–P274)

TEST PREP

Ⓐ four and sixty-three tenths

Ⓑ four and sixty-three hundredths

Ⓒ four hundred and sixty-three

Ⓓ four and sixty-three thousandths

16. Joe, Adam, Michael, and Carl all work at an office. Joe earns $15.53 per hour. Adam earns $15.59 per hour. Carl earns $15.95 per hour. Michael earns $15.91. Who earns the most money per hour? (pp. P277–P278)

Ⓐ Joe

Ⓑ Adam

Ⓒ Carl

Ⓓ Michael

17. Which number is ninety-eight million, forty thousand, six hundred fifty three written in another form? (pp. P271–P272)

Ⓐ 98,040,653

Ⓑ 98,400,653

Ⓒ 98,046,053

Ⓓ 98,40,653

18. Which rule describes the pattern below? (pp. P281–P282)

3, 12, 48, 192

Ⓐ Multiply by 2.

Ⓑ Multiply by 3.

Ⓒ Add 9.

Ⓓ Multiply by 4.

Name _____

Checkpoint

Concepts and Skills

Complete each statement with *greater than* or *less than*. (pp. P289–P290)

1. $3 \times \frac{3}{9}$ will be _____ 3.
2. $\frac{7}{8} \times 3$ will be _____ $\frac{7}{8}$.

Add or subtract. Use fraction strips to help. (pp. P285–P288)

3. $\frac{1}{2} + \frac{2}{10} =$ _____
4. $\frac{1}{4} + \frac{5}{8} =$ _____
5. $\frac{4}{6} + \frac{1}{3} =$ _____
6. $1 - \frac{5}{6} =$ _____
7. $\frac{7}{8} - \frac{1}{4} =$ _____
8. $\frac{3}{5} - \frac{4}{10} =$ _____

Write the division problem as a fraction. Write each fraction greater than 1 as a whole number or mixed number. (pp. P293–P294)

9. $7 \div 8 =$ _____
10. $8 \div 5 =$ _____
11. $16 \div 3 =$ _____

Use repeated subtraction to divide. (pp. P291–P292)

12. $3 \div \frac{1}{5} =$ _____
13. $4 \div \frac{1}{2} =$ _____
14. $6 \div \frac{1}{3} =$ _____

Problem Solving REAL WORLD

15. Manny had $\frac{3}{4}$ of his paper written. He wrote another $\frac{1}{8}$ of the paper today. What fraction of the paper does he have left to write now? Explain how you found your answer. (pp. P285–P288)

_____

_____

_____

Dividing fractions by whole numbers

Grade 5 Fractions Worksheet

Divide.

1. $\frac{2}{4} \div 3 =$ _____

2. $\frac{1}{5} \div 8 =$ _____

3. $\frac{1}{6} \div 6 =$ _____

4. $\frac{5}{8} \div 6 =$ _____

5. $\frac{1}{3} \div 5 =$ _____

6. $\frac{2}{10} \div 9 =$ _____

7. $\frac{1}{2} \div 7 =$ _____

8. $\frac{1}{4} \div 2 =$ _____

9. $\frac{7}{12} \div 8 =$ _____

10. $\frac{1}{5} \div 7 =$ _____

11. $\frac{1}{2} \div 4 =$ _____

12. $\frac{9}{10} \div 3 =$ _____

13. $\frac{1}{4} \div 6 =$ _____

14. $\frac{11}{12} \div 6 =$ _____

15. $\frac{2}{3} \div 4 =$ _____

16. $\frac{5}{8} \div 4 =$ _____

Multiplying mixed numbers

Grade 5 Fractions Worksheet

Find the product.

1. $1\frac{2}{4} \times 3\frac{5}{6} =$ _____

2. $1\frac{1}{6} \times 2\frac{6}{12} =$ _____

3. $2\frac{1}{2} \times 3\frac{4}{5} =$ _____

4. $3\frac{1}{3} \times 1\frac{4}{10} =$ _____

5. $3\frac{3}{4} \times 3\frac{2}{9} =$ _____

6. $3\frac{5}{6} \times 2\frac{1}{2} =$ _____

7. $1\frac{1}{2} \times 3\frac{1}{2} =$ _____

8. $1\frac{8}{12} \times 3\frac{2}{10} =$ _____

9. $3\frac{2}{6} \times 3\frac{2}{3} =$ _____

10. $3\frac{4}{5} \times 2\frac{3}{4} =$ _____

11. $1\frac{3}{4} \times 1\frac{2}{4} =$ _____

12. $2\frac{4}{5} \times 1\frac{1}{12} =$ _____

13. $1\frac{5}{8} \times 2\frac{6}{8} =$ _____

14. $3\frac{2}{3} \times 1\frac{1}{2} =$ _____

Multiplying fractions (denominators 2-25)

Grade 5 Fractions Worksheet

Find the product.

1. $\frac{6}{12} \times \frac{2}{10} =$ _____

2. $\frac{1}{16} \times \frac{7}{21} =$ _____

3. $\frac{8}{9} \times \frac{1}{2} =$ _____

4. $\frac{11}{20} \times \frac{4}{14} =$ _____

5. $\frac{7}{18} \times \frac{11}{25} =$ _____

6. $\frac{3}{15} \times \frac{3}{7} =$ _____

7. $\frac{2}{4} \times \frac{3}{6} =$ _____

8. $\frac{5}{7} \times \frac{15}{18} =$ _____

9. $\frac{4}{8} \times \frac{3}{4} =$ _____

10. $\frac{3}{11} \times \frac{5}{9} =$ _____

11. $\frac{2}{14} \times \frac{1}{4} =$ _____

12. $\frac{1}{2} \times \frac{2}{5} =$ _____

13. $\frac{7}{10} \times \frac{7}{21} =$ _____

14. $\frac{1}{3} \times \frac{2}{9} =$ _____

Exercise 11

Directions: Divide. Round answers to hundredths, if necessary

1) $.3\overline{).69}$

2) $.82\overline{)16.4}$

3) $.002\overline{)4}$

4) $1.4\overline{)280}$

5) $25\overline{)4}$

6) $37\overline{)1.68}$

7) $.66\overline{)15.18}$

8) $1.87\overline{)3.96}$

9) $329\overline{)2.303}$

10) $.64\overline{).14208}$

11) $20\overline{).1}$

12) $.3\overline{)85}$

13) $5.86\overline{)250}$

14) $.789\overline{)315.6}$

15) $2.8\overline{)7.006}$

Exercise 10

Directions: Multiply the following

1) 1.67×3.2 2) $84.78 \times .612$ 3) $98.47 \times .7$ 4) $.8842 \times .002$ 5) $5.76 \times .25$

6) $8.04 \times .004$ 7) $8.45 \times .36$ 8) $4.095 \times .006$ 9) 11.4×18 10) 36×1.1

11) $.001 \times .001$ 12) $8.88 \times .88$ 13) 12.34×43.21 14) $.1 \times .1 \times .1$ 15) $2.7 \times 8.3 \times .0014$

Fill in the bubble completely to show your answer.

TEST PREP

16. Mr. Martin is going to paint 5 small rooms. He needs $\frac{3}{4}$ gallon of paint for each room. How much paint will he need to paint all of the rooms? (pp. P289–P290)

Ⓐ less than $\frac{3}{4}$ gallon

Ⓑ more than $\frac{3}{4}$ gallon

Ⓒ exactly $\frac{3}{4}$ gallon

Ⓓ exactly 5 gallons

17. A chef is preparing individual-size pies. She has 4 cups of strawberries to put in the pies. She wants to put $\frac{1}{4}$ cup of strawberries in each pie. How many pies can she make? (pp. P291–P292)

Ⓐ 4

Ⓑ 8

Ⓒ 14

Ⓓ 16

18. Which shows the division problem $6 \div 4$ written as a fraction or mixed number? (pp. P293–P294)

Ⓐ $\frac{4}{6}$

Ⓑ $1\frac{1}{4}$

Ⓒ $1\frac{2}{4}$

Ⓓ $2\frac{2}{4}$

19. Pablo ate $\frac{1}{4}$ of a pizza yesterday and $\frac{3}{8}$ of the pizza today. What fraction of the pizza did he eat in all? (pp. P285–P286)

Ⓐ $\frac{5}{8}$

Ⓑ $\frac{4}{12}$

Ⓒ $\frac{4}{8}$

Ⓓ $\frac{3}{8}$

Name _____

Checkpoint

Concepts and Skills

Round to the nearest whole dollar or to the nearest whole number. (pp. 275–276)

1. $7.23 _____
2. 2.89 _____
3. 0.52 _____
4. $9.49 _____

Compare the decimals. Write <, >, or =. (pp. P277–P278)

5. 0.6 ◯ 0.60
6. 5.08 ◯ 5.80
7. 8.14 ◯ 8.17
8. 7.37 ◯ 7.32

Read and write the numbers in two other forms. (pp. P271–P272)

9. seventy-five million, three hundred thousand, two hundred seven

_____

_____

_____

10. 30,000,000 + 40,000 + 6,000 + 20 + 2

_____

_____

_____

Decompose each number. (pp. P279–P280) Write as a product of 10, 100, 1000 and some #.

11. 20 = _____
12. 740 = _____
13. 6,000 = _____

Problem Solving REAL WORLD

14. A new music website is keeping track of the number of members that join. The table shows the number of members in the first four days. If the pattern continues, how many members will the website have on day 6? **Explain** how you found your answer. (pp. P281–P282)

Day	1	2	3	4
Members	5	15	45	135

_____

_____

_____

Students entering grade 4

Fill in the bubble completely to show your answer.

17. Taby buys a dog leash for $18.50 and a dog collar for $12.75. What is the total cost of the leash and the collar? (pp. P259–P260)

Ⓐ $5.75

Ⓑ $6.25

Ⓒ $30.25

Ⓓ $31.25

18. Mr. Martin pays $35.93 for shoes for himself and $18.67 for shoes for his son. How much more do Mr. Martin's shoes cost than his son's? (pp. P261–P262)

Ⓐ $17.26

Ⓑ $17.36

Ⓒ $23.24

Ⓓ $54.60

19. Chris and Susan each collect baseball cards. Chris has 75 cards and Susan has 93 cards. They want to combine their collections and divide the cards evenly between them. Which expression can they use to find the number of cards each of them should have? (pp. P263–P264)

Ⓐ $75 + 93 \div 2$

Ⓑ $75 + (93 \div 2)$

Ⓒ $(75 + 93) \times 2$

Ⓓ $(75 + 93) \div 2$

20. A store expects 4,000 customers during its 20-hour sale. Suppose the same number of customers arrives each hour. How many customers come each hour? (pp. P265–P266)

Ⓐ 20

Ⓑ 200

Ⓒ 2,000

Ⓓ 8,000