

Name : \_\_\_\_\_

Score : \_\_\_\_\_ / 70

Teacher : Mrs. Moser - AMC

Date : Summer 2019

# 6th Grade Summer Math Packet: Answer Sheet

Please place all answers from the packet on this cover page. All answers must be in simplest form.

Page 1:

Page 2:

Page 3:

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Page 5:

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

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# Page 1: Converting Between Mixed Numbers and Improper Fractions

## **SHOW ALL WORK**

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For #1-5, convert the mixed numbers into improper fractions.

For #6-10, convert the improper fractions into mixed numbers.

$$1) \quad 2\frac{3}{4} =$$

$$6) \quad \frac{18}{5} =$$

$$2) \quad 4\frac{2}{5} =$$

$$7) \quad \frac{13}{3} =$$

$$3) \quad 2\frac{3}{4} =$$

$$8) \quad \frac{8}{3} =$$

$$4) \quad 3\frac{2}{3} =$$

$$9) \quad \frac{19}{5} =$$

$$5) \quad 4\frac{2}{3} =$$

$$10) \quad \frac{21}{4} =$$

**SHOW ALL WORK**

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Add the following mixed numbers.

Give your answer as a **mixed number** with the fractional part **in simplest form**.

1)  $5\frac{6}{10} + 6\frac{1}{2} =$

2)  $1\frac{3}{5} + 7\frac{1}{2} =$

3)  $6\frac{9}{10} + 4\frac{1}{2} =$

4)  $1\frac{1}{4} + 4\frac{1}{10} =$

5)  $1\frac{2}{10} + 6\frac{4}{5} =$

6)  $1\frac{3}{5} + 7\frac{2}{3} =$

7)  $3\frac{1}{3} + 5\frac{9}{10} =$

8)  $6\frac{8}{10} + 6\frac{3}{5} =$

9)  $3\frac{1}{2} + 8\frac{7}{10} =$

10)  $1\frac{2}{5} + 5\frac{1}{2} =$

Page 3: Subtracting Fractions  
**SHOW ALL WORK**

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Subtract the following fractions. Give your answer in **simplest form** or, when necessary, as a **mixed number** with the fractional part in **simplest form**.

1)  $\frac{3}{6} - \frac{1}{6} =$

11)  $3 - \frac{2}{3} =$

2)  $\frac{7}{12} - \frac{3}{12} =$

12)  $6 - \frac{9}{10} =$

3)  $\frac{7}{11} - \frac{2}{11} =$

13)  $7 - \frac{2}{3} =$

4)  $\frac{3}{4} - \frac{2}{4} =$

14)  $5 - \frac{2}{3} =$

5)  $\frac{3}{10} - \frac{1}{10} =$

15)  $4 - \frac{1}{5} =$

6)  $\frac{2}{7} - \frac{1}{7} =$

16)  $3 - \frac{9}{10} =$

7)  $\frac{8}{9} - \frac{2}{9} =$

17)  $9 - \frac{1}{4} =$

8)  $\frac{3}{11} - \frac{1}{11} =$

18)  $8 - \frac{3}{4} =$

9)  $\frac{2}{9} - \frac{1}{9} =$

19)  $2 - \frac{1}{5} =$

10)  $\frac{2}{12} - \frac{1}{12} =$

20)  $7 - \frac{1}{10} =$

## Page 4: Subtracting Mixed Numbers

### SHOW ALL WORK

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Subtract the following mixed numbers.

Give your answer as a **mixed number** with the fractional part in **simplest form**.

$$1) \quad 5\frac{1}{4} - 2\frac{1}{5} =$$

$$2) \quad 5\frac{2}{3} - 3\frac{2}{4} =$$

$$3) \quad 7\frac{6}{10} - 3\frac{3}{4} =$$

$$4) \quad 6\frac{5}{10} - 3\frac{1}{3} =$$

$$5) \quad 7\frac{7}{10} - 1\frac{1}{2} =$$

$$6) \quad 6\frac{3}{4} - 3\frac{1}{5} =$$

$$7) \quad 7\frac{1}{5} - 1\frac{8}{10} =$$

$$8) \quad 9\frac{1}{2} - 3\frac{2}{3} =$$

$$9) \quad 9\frac{1}{2} - 1\frac{1}{3} =$$

$$10) \quad 7\frac{9}{10} - 1\frac{2}{4} =$$

**SHOW ALL WORK**

Multiply the following. Give your answer **as a FRACTION or an IMPROPER FRACTION in simplest form**. *No mixed numbers, please.*

1 )  $\frac{2}{3} \times \frac{1}{5} =$

11 )  $2\frac{3}{4} \times 3\frac{7}{10} =$

2 )  $\frac{2}{4} \times \frac{2}{5} =$

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

3 )  $\frac{1}{5} \times \frac{1}{3} =$

13 )  $2\frac{3}{4} \times 2\frac{4}{5} =$

4 )  $\frac{1}{2} \times \frac{3}{10} =$

14 )  $3\frac{2}{3} \times 4\frac{1}{2} =$

5 )  $\frac{2}{3} \times \frac{3}{4} =$

15 )  $4\frac{2}{3} \times 2\frac{1}{2} =$

6 )  $\frac{1}{10} \times \frac{1}{2} =$

16 )  $3\frac{3}{5} \times 4\frac{1}{2} =$

7 )  $\frac{1}{3} \times \frac{3}{5} =$

17 )  $3\frac{2}{3} \times 3\frac{1}{4} =$

8 )  $\frac{1}{3} \times \frac{9}{10} =$

18 )  $2\frac{2}{3} \times 3\frac{1}{5} =$

9 )  $\frac{1}{4} \times \frac{2}{3} =$

19 )  $3\frac{4}{5} \times 3\frac{1}{2} =$

10 )  $\frac{4}{10} \times \frac{2}{4} =$

20 )  $2\frac{2}{3} \times 3\frac{7}{10} =$