

Name: _____

Entering 6th Grade Summer Math Packet



Dear Rising 6th Graders,

This math packet contains many review problems to help you practice the concepts that were covered in the 5th Grade. I hope you enjoy your summer, but I also want you to start 6th feeling confident and prepared! Completion of this packet is a big step in the right direction. You should break this packet up over several days or weeks over the summer. I hope you have a restful and blessed summer break! I can't wait to teach you again in the fall!!

**Love,
Mrs. G**

Name : _____ Score : _____

Teacher : _____ Date : _____

Subtracting Mixed Numbers

1) $8\frac{2}{3} - 4\frac{4}{10} =$

2) $8\frac{6}{10} - 4\frac{2}{5} =$

3) $7\frac{2}{4} - 2\frac{1}{5} =$

4) $7\frac{2}{3} - 1\frac{1}{2} =$

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

6) $7\frac{7}{10} - 3\frac{1}{5} =$

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

8) $8\frac{4}{5} - 2\frac{2}{4} =$

9) $7\frac{1}{2} - 3\frac{1}{3} =$

10) $8\frac{2}{5} - 4\frac{1}{10} =$

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Fractions Worksheet

1 a. $7\frac{9}{12} + 6\frac{8}{12} =$

1 b. $10\frac{2}{5} + 7\frac{1}{5} =$

2 a. $5\frac{2}{4} + 4\frac{3}{4} =$

2 b. $4\frac{2}{3} + 5\frac{1}{3} =$

3 a. $2\frac{1}{8} + 9\frac{2}{8} =$

3 b. $8\frac{1}{12} + 6\frac{8}{12} =$

4 a. $3\frac{2}{6} + 4\frac{1}{6} =$

4 b. $2\frac{3}{11} + 5\frac{8}{11} =$

5 a. $7\frac{1}{6} + 5\frac{1}{6} =$

5 b. $9\frac{2}{9} + 5\frac{2}{9} =$

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Multiplying Fractions

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

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

3) $\frac{6}{10} \times \frac{3}{4} =$

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

5) $\frac{8}{10} \times \frac{1}{2} =$

6) $\frac{1}{3} \times \frac{7}{10} =$

7) $\frac{6}{10} \times \frac{3}{5} =$

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

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

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

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Dividing Fractions

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

2) $\frac{4}{5} \div \frac{7}{10} =$

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

4) $\frac{1}{2} \div \frac{2}{5} =$

5) $\frac{1}{2} \div \frac{4}{5} =$

6) $\frac{3}{10} \div \frac{1}{2} =$

7) $\frac{1}{3} \div \frac{2}{4} =$

8) $\frac{1}{3} \div \frac{3}{5} =$

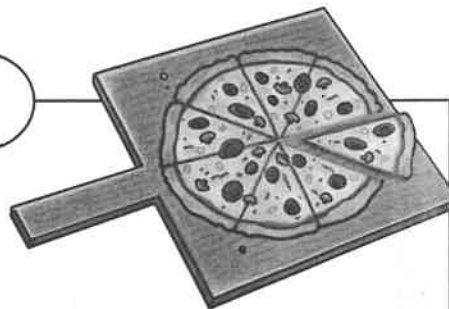
9) $\frac{1}{3} \div \frac{6}{10} =$

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



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Simplifying Fractions



Simplify each fraction.

a. $\frac{2}{8} =$

b. $\frac{4}{10} =$

c. $\frac{3}{6} =$

d. $\frac{4}{12} =$

e. $\frac{7}{14} =$

f. $\frac{2}{20} =$

g. $\frac{3}{9} =$

h. $\frac{6}{9} =$

i. $\frac{8}{10} =$

j. $\frac{5}{15} =$

k. $\frac{8}{72} =$

l. $\frac{5}{20} =$

m. $\frac{4}{6} =$

n. $\frac{21}{28} =$

o. $\frac{4}{18} =$

p. $\frac{33}{55} =$

q. What is $\frac{3}{18}$ written in simplest form? Explain how you found your answer.

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Simplifying Fractions

To simplify a fraction, divide the numerator and the denominator by the greatest common factor.

example: Simplify the fraction $\frac{18}{27}$

The greatest common factor of 18 and 27 is 9.

Divide the numerator and the denominator by 9.

$$\frac{18}{27} \div \frac{9}{9} = \frac{2}{3}$$



Simplify each fraction.

a. $\frac{4}{20} =$

b. $\frac{5}{10} =$

c. $\frac{14}{21} =$

d. $\frac{9}{15} =$

e. $\frac{16}{24} =$

f. $\frac{18}{48} =$

g. $\frac{16}{44} =$

h. $\frac{9}{21} =$

i. $\frac{25}{30} =$

j. $\frac{8}{22} =$

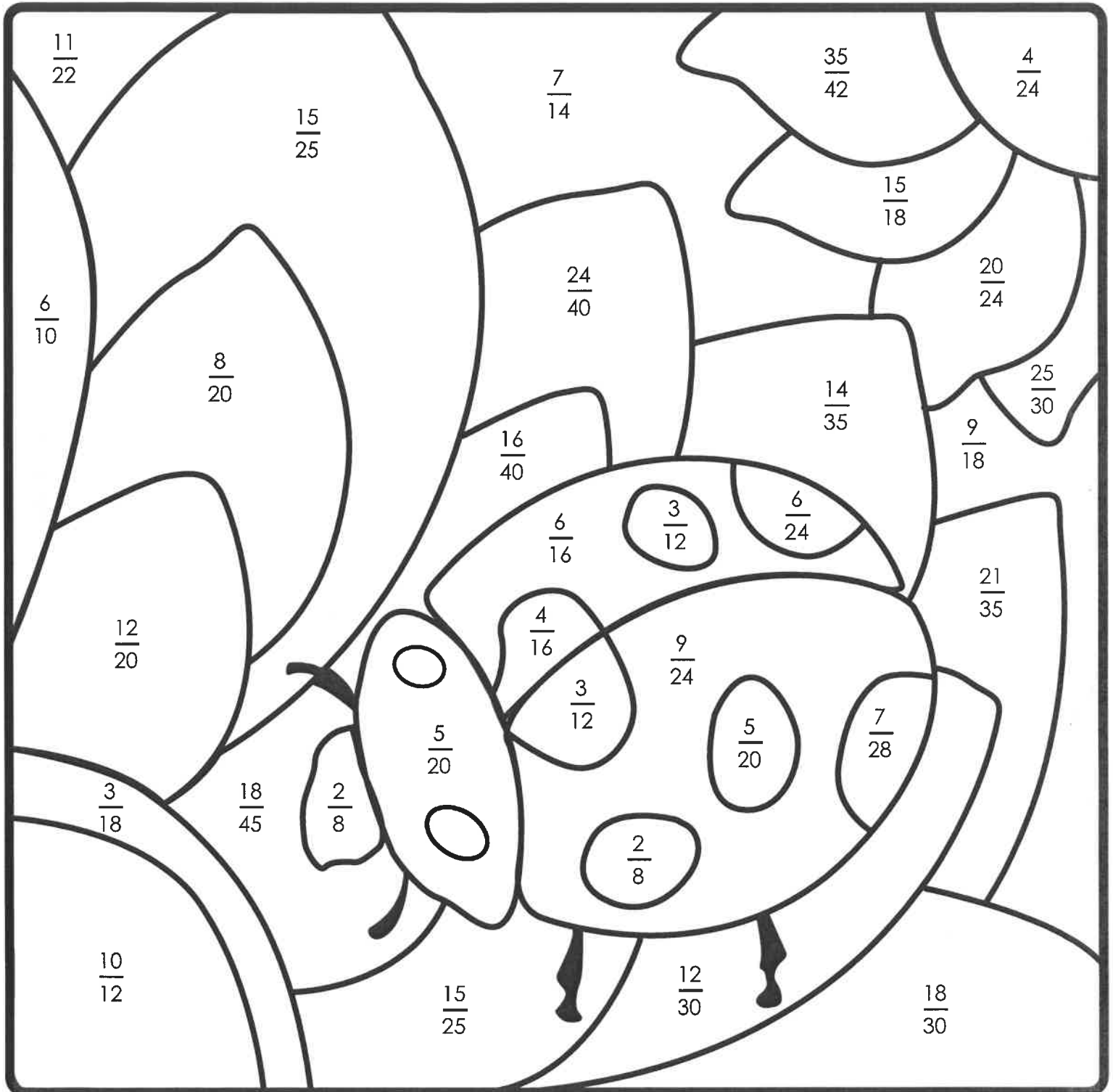
k. $\frac{12}{30} =$

l. $\frac{5}{20} =$

- m. There are 36 students in Frank's class. 27 of them are buying lunch today. Write and simplify the fraction of students that are buying lunch.

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Write each fraction in simplest form. Then color according to the key at the bottom.



$\frac{1}{4}$



$\frac{2}{5}$



$\frac{1}{2}$



$\frac{3}{8}$



$\frac{5}{6}$



$\frac{3}{5}$



$\frac{1}{6}$