LEVEL G

Number Worlds™

Accelerate Math Success

Assessment

Mc Graw Hill Education

UNIT 4

Name _____ Date _____

Unit Pretest

Circle the letter of the correct answer.

1. What fraction problem is shown on the grid?

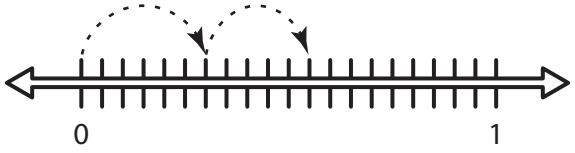
A $\frac{3}{12} + \frac{6}{12} = \frac{9}{12}$

B $\frac{1}{3} + \frac{1}{6} = \frac{1}{2}$

C $\frac{3}{12} - \frac{3}{12} = 0$

D $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$

2. What fraction problem is shown on the number line?



A $\frac{1}{6} + \frac{1}{5} = \frac{11}{30}$

B $\frac{1}{2} - \frac{1}{5} = \frac{3}{10}$

C $1 - \frac{5}{6} = \frac{1}{6}$

D $\frac{6}{20} + \frac{5}{20} = \frac{11}{20}$

3. The Chan family used $\frac{1}{5}$ of a loaf of bread at breakfast and $\frac{2}{5}$ at lunch. How much of the loaf of bread did they use in all?

A $\frac{1}{5}$ of a loaf

B $\frac{2}{5}$ of a loaf

C $\frac{3}{5}$ of a loaf

D $\frac{4}{5}$ of a loaf

4. Which of these is equal to $\frac{5}{9}$?

A $\frac{25}{29}$

B $\frac{15}{27}$

C $\frac{51}{72}$

D $\frac{20}{30}$

5. Which of these is equal to $3\frac{2}{3}$?

A $\frac{9}{3}$

B $\frac{11}{3}$

C $\frac{11}{9}$

D $\frac{18}{9}$

6. Which of these is equal to $\frac{18}{5}$?

A $3\frac{1}{5}$

B $1\frac{3}{5}$

C $5\frac{1}{5}$

D $3\frac{3}{5}$

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

A $\frac{3}{8}$

B $\frac{13}{15}$

C $\frac{2}{15}$

D $\frac{1}{2}$

8. $\frac{5}{8} - \frac{1}{4} =$

A $\frac{3}{8}$

B $\frac{4}{12}$

C $\frac{6}{12}$

D $\frac{4}{8}$

Name _____ Date _____

Circle the letter of the correct answer.

9. $2\frac{1}{2} + 2\frac{3}{4} =$

A $4\frac{4}{6}$

B $5\frac{2}{3}$

C $4\frac{4}{5}$

D $5\frac{1}{4}$

10. $9\frac{1}{10} - 4\frac{2}{5} =$

A $4\frac{7}{10}$

B $5\frac{1}{10}$

C $5\frac{1}{5}$

D $4\frac{1}{5}$

11. A driver used $1\frac{3}{4}$ of a gallon of gas to run some errands and $2\frac{5}{8}$ of a gallon to go to the beach. How much gas did he use in all?

A $3\frac{5}{8}$ gallons

B $4\frac{3}{8}$ gallons

C $3\frac{3}{4}$ gallons

D $4\frac{3}{4}$ gallons

12. $\frac{3}{8} \times 24 =$

A 8

B 6

C 9

D 12

13. $\frac{20}{8} =$

A $2\frac{1}{8}$

B $3\frac{1}{10}$

C $2\frac{1}{2}$

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

14. $8 \times \frac{3}{5} =$

A $8\frac{3}{5}$

B $\frac{5}{24}$

C $3\frac{5}{8}$

D $4\frac{4}{5}$

Name _____ Date _____

Circle the letter of the correct answer.

15. $\frac{3}{4} \times \frac{1}{3} =$

A $\frac{1}{12}$

B $\frac{1}{4}$

C $\frac{4}{7}$

D $\frac{4}{43}$

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

A $\frac{2}{15}$

B $\frac{1}{5}$

C $\frac{2}{5}$

D $\frac{7}{12}$

17. A museum's exhibit hall is 500 square yards. One-half of the hall is for paintings. Two-fifths of the painting section is for the work of students in art school. How much of the exhibit hall area is for students in art school?

A 250 square yards

B 100 square yards

C 200 square yards

D 350 square yards

18. $9 \div \frac{1}{3} =$

A 27

B 3

C 39

D 19

19. $\frac{4}{5} \div \frac{1}{3} =$

A $4\frac{3}{5}$

B $3\frac{1}{5}$

C $\frac{4}{15}$

D $2\frac{2}{5}$

20. $15 \div \frac{2}{3} =$

A $10\frac{1}{3}$

B $10\frac{2}{3}$

C $22\frac{1}{2}$

D $23\frac{1}{5}$

Name _____ Date _____

Unit Posttest

Circle the letter of the correct answer.

1. What fraction problem is shown on the grid?

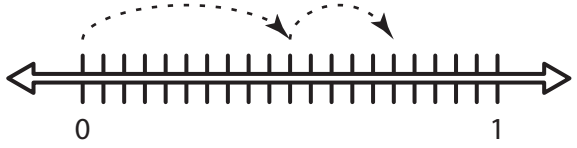
A $\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$

B $\frac{5}{12} + \frac{7}{12} = 1$

C $\frac{2}{12} + \frac{3}{12} = \frac{5}{12}$

D $\frac{2}{3} + \frac{3}{3} = \frac{5}{3}$

2. What fraction problem is shown on the number line?



A $1 - \frac{1}{5} = \frac{4}{5}$

B $\frac{1}{5} + \frac{1}{10} = \frac{2}{15}$

C $\frac{10}{20} + \frac{5}{20} = \frac{15}{20}$

D $\frac{15}{20} - \frac{5}{20} = \frac{1}{2}$

3. At a picnic, $\frac{2}{7}$ of the people ate on benches and $\frac{4}{7}$ ate on blankets on the ground. What fraction of the people ate on benches or the ground?

A $\frac{2}{7}$

B $\frac{5}{7}$

C $\frac{7}{7}$

D $\frac{6}{7}$

4. Which of these is equal to $\frac{5}{8}$?

A $\frac{25}{40}$

B $\frac{10}{18}$

C $\frac{20}{28}$

D $\frac{17}{80}$

5. Which of these is equal to $4\frac{3}{4}$?

A $\frac{12}{4}$

B $\frac{19}{4}$

C $\frac{19}{8}$

D $\frac{7}{4}$

6. Which of these is equal to $\frac{15}{4}$?

A $4\frac{4}{11}$

B $3\frac{4}{11}$

C $3\frac{3}{4}$

D $4\frac{1}{4}$

7. $\frac{1}{6} + \frac{1}{4} =$

A $\frac{5}{12}$

B $\frac{2}{3}$

C $\frac{2}{10}$

D $\frac{1}{24}$

8. $\frac{7}{9} - \frac{1}{3} =$

A $\frac{1}{6}$

B $\frac{1}{9}$

C $\frac{6}{9}$

D $\frac{4}{9}$

Name _____ Date _____

Circle the letter of the correct answer.

9. $3\frac{2}{3} + 3\frac{5}{6} =$

A $6\frac{7}{9}$

B $7\frac{1}{3}$

C $6\frac{1}{3}$

D $7\frac{1}{2}$

10. $8\frac{3}{8} - 3\frac{3}{4} =$

A $5\frac{1}{4}$

B $4\frac{5}{8}$

C $4\frac{1}{8}$

D $5\frac{1}{2}$

11. Mrs. Jahn's driveway is $10\frac{1}{3}$ yards long. The first $1\frac{1}{2}$ yards is concrete and the rest is asphalt. How much of the driveway is asphalt?

A $11\frac{5}{6}$ yards

B $9\frac{1}{6}$ yards

C $8\frac{5}{6}$ yards

D $8\frac{1}{6}$ yards

12. $\frac{5}{9} \times 27 =$

A 15

B 9

C 4

D 18

13. $\frac{26}{6} =$

A $4\frac{1}{6}$

B $3\frac{2}{3}$

C $4\frac{1}{3}$

D $3\frac{5}{6}$

14. $9 \times \frac{4}{5} =$

A $7\frac{1}{5}$

B $9\frac{4}{5}$

C $4\frac{5}{9}$

D $5\frac{4}{9}$

Name _____ Date _____

Circle the letter of the correct answer.

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

A $\frac{1}{4}$

B $\frac{3}{7}$

C $\frac{2}{3}$

D $\frac{1}{6}$

16. $\frac{5}{8} \times \frac{1}{2} \times \frac{4}{5} =$

A $\frac{2}{3}$

B $\frac{1}{4}$

C $\frac{11}{18}$

D $\frac{4}{5}$

17. The public section of a lake front is 800 meters long. Three-quarters of the public section is a swimming beach. Two-fifths of the swimming beach is for families with small children. How much of the length of the beach is for families with small children?

A 600 yards

B 320 yards

C 240 yards

D 250 yards

18. $12 \div \frac{1}{6} =$

A 2

B 60

C 64

D 72

19. $\frac{5}{8} \div \frac{1}{3} =$

A $5\frac{1}{3}$

B $1\frac{7}{8}$

C $3\frac{5}{8}$

D $2\frac{1}{8}$

20. $10 \div \frac{3}{8} =$

A $26\frac{2}{3}$

B $3\frac{3}{4}$

C $3\frac{2}{3}$

D $30\frac{1}{8}$

LEVEL G

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Assessment

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