Dear Parents,

Our next math test is scheduled for **Friday, March 10.** I have attached a review sheet and key for your child to practice at home. This is NOT a mandatory homework assignment, but an opportunity for your child to study at home. We will also review in class before the test. If you have any questions please let me know.

Thanks so much,
Shalynn Weeden
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878-6381

Fill in the circle for the correct answer.

1. Which shows the shaded part of the fraction bar as the product of a whole number and a unit fraction?

| $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ |

   Ⓐ $\frac{4}{12} = 4 \cdot \frac{1}{12}$ Ⓒ $\frac{8}{12} = 8 \cdot \frac{1}{12}$

   Ⓑ $\frac{4}{12} = 4 \cdot \frac{4}{12}$ Ⓓ $\frac{8}{12} = 8 \cdot \frac{8}{12}$

Solve.   *Show your work.*

2. Kyle grates $\frac{4}{8}$ pound of cheese for enchiladas. He grates $\frac{2}{8}$ pound of cheese for tacos. Which equation can be used to find how much cheese Kyle grates in all?

   Ⓕ $c = \frac{4}{8} + \frac{2}{8}; \frac{6}{8}$ pound   Ⓗ $c = \frac{4}{8} + \frac{2}{8}; \frac{6}{16}$ pound

   Ⓖ $c = \frac{4}{8} - \frac{2}{8}; \frac{2}{8}$ pound   Ⓚ $c = \frac{4}{8} - \frac{2}{8}; \frac{2}{16}$ pound

3. Sam rides his bike $\frac{6}{10}$ mile to the mall. This is $\frac{4}{10}$ mile farther than he rides to the gym. Which equation can be used to find how far Sam rides to the gym?

   Ⓐ $\frac{6}{10} - r = \frac{4}{10}; \frac{2}{20}$ mile   Ⓒ $r = \frac{6}{10} + \frac{4}{10}; \frac{10}{20}$ mile

   Ⓑ $\frac{6}{10} - r = \frac{4}{10}; \frac{2}{10}$ mile   Ⓓ $r = \frac{6}{10} + \frac{4}{10}; \frac{10}{10}$ or 1 mile

4. Mehira uses $\frac{3}{4}$ yard of fabric to cover a chair seat. Which equation can be used to find how many yards she needs to cover 4 chair seats?

   Ⓕ $f = 4 + \frac{3}{4}; \frac{7}{4}$ yards or $1\frac{3}{4}$ yards   Ⓗ $f = 4 \cdot \frac{3}{4}; \frac{7}{4}$ yards or $1\frac{3}{4}$ yards

   Ⓖ $f = 4 + \frac{3}{4}; 4\frac{3}{4}$ yards   Ⓚ $f = 4 \cdot \frac{3}{4}; \frac{12}{4}$ yards or 3 yards

Which fraction completes the equation?

5. $\frac{5}{6} = \frac{2}{6} + \frac{2}{6} + \blacksquare$

 Ⓐ $\frac{1}{6}$ Ⓒ $\frac{3}{6}$

 Ⓑ $\frac{2}{6}$ Ⓓ $\frac{4}{6}$

6. $\frac{8}{8} = \frac{5}{8} + \blacksquare$

 Ⓕ $\frac{1}{8}$ Ⓗ $\frac{3}{8}$

 Ⓖ $\frac{2}{8}$ Ⓚ $\frac{5}{8}$

7. $\frac{9}{12} = \frac{5}{12} + \blacksquare$

 Ⓐ $\frac{3}{12}$ Ⓒ $\frac{5}{12}$

 Ⓑ $\frac{4}{12}$ Ⓓ $\frac{7}{12}$

Which shows the fraction as a product of a whole number and a unit fraction?

8. $\frac{9}{10} = \blacksquare$ **9.** $\frac{2}{5} = \blacksquare$

 Ⓕ $9 \cdot \frac{1}{10}$ Ⓗ $10 \cdot \frac{1}{10}$ Ⓐ $5 \cdot \frac{2}{5}$ Ⓒ $2 \cdot \frac{2}{5}$

 Ⓖ $9 \cdot \frac{9}{10}$ Ⓚ $10 \cdot \frac{9}{10}$ Ⓑ $5 \cdot \frac{1}{5}$ Ⓓ $2 \cdot \frac{1}{5}$

Multiply.

10. $9 \cdot \frac{1}{8} = \blacksquare$ **11.** $4 \times \frac{1}{2} = \blacksquare$

 Ⓕ $\frac{8}{8}$ or 1   Ⓗ $\frac{10}{8}$ or $1\frac{2}{8}$ Ⓐ $\frac{8}{2}$ or 4   Ⓒ $\frac{4}{2}$ or 2

 Ⓖ $\frac{9}{8}$ or $1\frac{1}{8}$ Ⓚ $\frac{11}{8}$ or $1\frac{3}{8}$ Ⓑ $\frac{5}{2}$ or $2\frac{1}{2}$ Ⓓ $\frac{3}{2}$ or $1\frac{1}{2}$

12. $5 \cdot \frac{3}{5} = \blacksquare$ **13.** $7 \cdot \frac{3}{4} = \blacksquare$

 Ⓕ $\frac{15}{3}$ or 5   Ⓗ $\frac{10}{3}$ or $3\frac{1}{3}$ Ⓐ $\frac{10}{4}$ or $2\frac{2}{4}$ Ⓒ $\frac{21}{4}$ or $5\frac{1}{4}$

 Ⓖ $\frac{15}{5}$ or 3   Ⓚ $\frac{8}{5}$ or $1\frac{3}{5}$ Ⓑ $\frac{11}{3}$ or $3\frac{2}{3}$ Ⓓ $\frac{28}{3}$ or $9\frac{1}{3}$

Add or subtract.

14. $\frac{4}{10} + \frac{3}{10} = $ ▓

  Ⓕ $\frac{1}{20}$

  Ⓖ $\frac{7}{20}$

  Ⓗ $\frac{1}{10}$

  Ⓚ $\frac{7}{10}$

15. $\frac{3}{4} - \frac{2}{4} = $ ▓

  Ⓐ $\frac{1}{8}$

  Ⓑ $\frac{1}{4}$

  Ⓒ $\frac{2}{4}$

  Ⓓ $\frac{5}{8}$

16. $\frac{8}{5} + \frac{4}{5} = $ ▓

  Ⓕ $\frac{12}{5}$ or $2\frac{2}{5}$

  Ⓖ $\frac{12}{10}$ or $1\frac{2}{10}$

  Ⓗ $\frac{4}{5}$

  Ⓚ $\frac{4}{10}$

17. $\frac{5}{8} - \frac{4}{8} = $ ▓

  Ⓐ $\frac{9}{16}$

  Ⓑ $\frac{2}{8}$

  Ⓒ $\frac{1}{8}$

  Ⓓ $\frac{1}{16}$

18. $9\frac{7}{12} - 6\frac{5}{12} = $ ▓

  Ⓕ $3\frac{10}{12}$

  Ⓖ $3\frac{2}{12}$

  Ⓗ $2\frac{10}{12}$

  Ⓚ $2\frac{2}{12}$

19. $4\frac{1}{6} + 2\frac{5}{6} = $ ▓

  Ⓐ 7

  Ⓑ 6

  Ⓒ $2\frac{4}{6}$

  Ⓓ $1\frac{1}{6}$

20.
$$2\frac{7}{10}$$
$$+\,3\frac{9}{10}$$

  Ⓕ $5\frac{4}{10}$

  Ⓖ $5\frac{6}{10}$

  Ⓗ $6\frac{4}{10}$

  Ⓚ $6\frac{6}{10}$

21.
$$7\frac{2}{5}$$
$$-\,2\frac{4}{5}$$

  Ⓐ $4\frac{2}{5}$

  Ⓑ $4\frac{3}{5}$

  Ⓒ $5\frac{2}{5}$

  Ⓓ $5\frac{3}{5}$

22.
$$5$$
$$-\,3\frac{5}{8}$$

  Ⓕ $1\frac{3}{8}$

  Ⓖ 2

  Ⓗ $2\frac{3}{8}$

  Ⓚ 3

Solve.

Show your work.

23. Erin measures $\frac{3}{4}$ inch of snow. It snows some more. Now there are $3\frac{1}{4}$ inches of snow. How many more inches of snow fell?
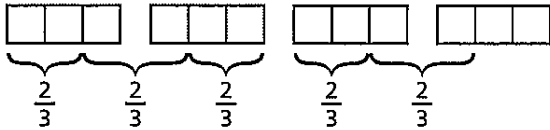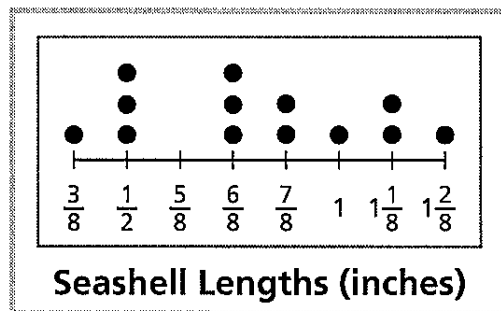
  Ⓐ $3\frac{2}{4}$ inches

  Ⓑ $3\frac{1}{4}$ inches

  Ⓒ $2\frac{2}{4}$ inches

  Ⓓ $2\frac{1}{4}$ inches

24. Jorge volunteers $\frac{2}{3}$ hour at the animal shelter on Wednesday. He volunteers 5 times as many hours on Saturday. How many hours does Jorge volunteer on Saturday?

$$\frac{2}{3} \quad \frac{2}{3} \quad \frac{2}{3} \quad \frac{2}{3} \quad \frac{2}{3}$$

  Ⓕ $2\frac{2}{3}$ hours   Ⓗ $3\frac{2}{3}$ hours

  Ⓖ $3\frac{1}{3}$ hours   Ⓚ $4\frac{1}{3}$ hours

25. The line plot shows the lengths of some seashells Colton collected at the beach.

Seashell Lengths (inches)

$$\frac{3}{8} \quad \frac{1}{2} \quad \frac{5}{8} \quad \frac{6}{8} \quad \frac{7}{8} \quad 1 \quad 1\frac{1}{8} \quad 1\frac{2}{8}$$
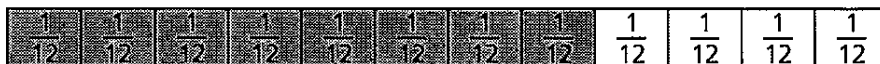
Colton wants to glue some shells along a 4-inch edge of a picture frame. Which combination of shells would **not** work?

Ⓐ all of the $\frac{6}{8}$-inch and $\frac{7}{8}$-inch shells

Ⓑ one $\frac{6}{8}$-inch shell, and all of the 1-inch and $1\frac{1}{8}$-inch shells

Ⓒ two $\frac{1}{2}$-inch shells, and all of the $\frac{7}{8}$-inch and $1\frac{2}{8}$-inch shells

Ⓓ two $\frac{6}{8}$-inch shells and all of the $\frac{3}{8}$-inch and $1\frac{1}{8}$-inch shells

Fill in the circle for the correct answer.

1. Which shows the shaded part of the fraction bar as the product of a whole number and a unit fraction?

| $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ |

Ⓐ $\frac{4}{12} = 4 \cdot \frac{1}{12}$

● $\frac{8}{12} = 8 \cdot \frac{1}{12}$

Ⓑ $\frac{4}{12} = 4 \cdot \frac{4}{12}$

Ⓓ $\frac{8}{12} = 8 \cdot \frac{8}{12}$

Solve.   *Show your work.*

2. Kyle grates $\frac{4}{8}$ pound of cheese for enchiladas. He grates $\frac{2}{8}$ pound of cheese for tacos. Which equation can be used to find how much cheese Kyle grates in all?

● $c = \frac{4}{8} + \frac{2}{8}; \frac{6}{8}$ pound

Ⓗ $c = \frac{4}{8} + \frac{2}{8}; \frac{6}{16}$ pound

Ⓖ $c = \frac{4}{8} - \frac{2}{8}; \frac{2}{8}$ pound

Ⓚ $c = \frac{4}{8} - \frac{2}{8}; \frac{2}{16}$ pound

3. Sam rides his bike $\frac{6}{10}$ mile to the mall. This is $\frac{4}{10}$ mile farther than he rides to the gym. Which equation can be used to find how far Sam rides to the gym?

Ⓐ $\frac{6}{10} - r = \frac{4}{10}; \frac{2}{20}$ mile

Ⓒ $r = \frac{6}{10} + \frac{4}{10}; \frac{10}{20}$ mile

● $\frac{6}{10} - r = \frac{4}{10}; \frac{2}{10}$ mile

Ⓓ $r = \frac{6}{10} + \frac{4}{10}; \frac{10}{10}$ or 1 mile

4. Mehira uses $\frac{3}{4}$ yard of fabric to cover a chair seat. Which equation can be used to find how many yards she needs to cover 4 chair seats?

Ⓕ $f = 4 + \frac{3}{4}; \frac{7}{4}$ yards or $1\frac{3}{4}$ yards

Ⓗ $f = 4 \cdot \frac{3}{4}; \frac{7}{4}$ yards or $1\frac{3}{4}$ yards

Ⓖ $f = 4 + \frac{3}{4}; 4\frac{3}{4}$ yards

● $f = 4 \cdot \frac{3}{4}; \frac{12}{4}$ yards or 3 yards

Which fraction completes the equation?

5. $\frac{5}{6} = \frac{2}{6} + \frac{2}{6} +$ ▨

● $\frac{1}{6}$

⑧ $\frac{2}{6}$

ⓒ $\frac{3}{6}$

ⓓ $\frac{4}{6}$

6. $\frac{8}{8} = \frac{5}{8} +$ ▨

Ⓕ $\frac{1}{8}$

Ⓖ $\frac{2}{8}$

● $\frac{3}{8}$

Ⓚ $\frac{5}{8}$

7. $\frac{9}{12} = \frac{5}{12} +$ ▨

Ⓐ $\frac{3}{12}$

● $\frac{4}{12}$

ⓒ $\frac{5}{12}$

ⓓ $\frac{7}{12}$

Which shows the fraction as a product of a whole number and a unit fraction?

8. $\frac{9}{10} =$ ▨

● $9 \cdot \frac{1}{10}$

Ⓖ $9 \cdot \frac{9}{10}$

Ⓗ $10 \cdot \frac{1}{10}$

Ⓚ $10 \cdot \frac{9}{10}$

9. $\frac{2}{5} =$ ▨

Ⓐ $5 \cdot \frac{2}{5}$

Ⓑ $5 \cdot \frac{1}{5}$

ⓒ $2 \cdot \frac{2}{5}$

● $2 \cdot \frac{1}{5}$

Multiply.

10. $9 \cdot \frac{1}{8} =$ ▨

Ⓕ $\frac{8}{8}$ or 1

● $\frac{9}{8}$ or $1\frac{1}{8}$

Ⓗ $\frac{10}{8}$ or $1\frac{2}{8}$

Ⓚ $\frac{11}{8}$ or $1\frac{3}{8}$

11. $4 \times \frac{1}{2} =$ ▨

Ⓐ $\frac{8}{2}$ or 4

Ⓑ $\frac{5}{2}$ or $2\frac{1}{2}$

● $\frac{4}{2}$ or 2

ⓓ $\frac{3}{2}$ or $1\frac{1}{2}$

12. $5 \cdot \frac{3}{5} =$ ▨

Ⓕ $\frac{15}{3}$ or 5

● $\frac{15}{5}$ or 3

Ⓗ $\frac{10}{3}$ or $3\frac{1}{3}$

Ⓚ $\frac{8}{5}$ or $1\frac{3}{5}$

13. $7 \cdot \frac{3}{4} =$ ▨

Ⓐ $\frac{10}{4}$ or $2\frac{2}{4}$

Ⓑ $\frac{11}{3}$ or $3\frac{2}{3}$

● $\frac{21}{4}$ or $5\frac{1}{4}$

ⓓ $\frac{28}{3}$ or $9\frac{1}{3}$

Add or subtract.

14. $\frac{4}{10} + \frac{3}{10} = $ ▨

    Ⓕ $\frac{1}{20}$

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    Ⓗ $\frac{1}{10}$

    ● $\frac{7}{10}$

15. $\frac{3}{4} - \frac{2}{4} = $ ▨

    Ⓐ $\frac{1}{8}$

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16. $\frac{8}{5} + \frac{4}{5} = $ ▨

    ● $\frac{12}{5}$ or $2\frac{2}{5}$

    Ⓖ $\frac{12}{10}$ or $1\frac{2}{10}$

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17. $\frac{5}{8} - \frac{4}{8} = $ ▨

    Ⓐ $\frac{9}{16}$

    Ⓑ $\frac{2}{8}$

    ● $\frac{1}{8}$

    Ⓓ $\frac{1}{16}$

18. $9\frac{7}{12} - 6\frac{5}{12} = $ ▨

    Ⓕ $3\frac{10}{12}$

    ● $3\frac{2}{12}$

    Ⓗ $2\frac{10}{12}$

    Ⓚ $2\frac{2}{12}$

19. $4\frac{1}{6} + 2\frac{5}{6} = $ ▨

    ● 7

    Ⓑ 6

    Ⓒ $2\frac{4}{6}$

    Ⓓ $1\frac{1}{6}$

20.
$$2\frac{7}{10}$$
$$+ 3\frac{9}{10}$$

    Ⓕ $5\frac{4}{10}$

    Ⓖ $5\frac{6}{10}$

    Ⓗ $6\frac{4}{10}$

    ● $6\frac{6}{10}$

21.
$$7\frac{2}{5}$$
$$- 2\frac{4}{5}$$

    Ⓐ $4\frac{2}{5}$

    ● $4\frac{3}{5}$

    Ⓒ $5\frac{2}{5}$

    Ⓓ $5\frac{3}{5}$

22.
$$5$$
$$- 3\frac{5}{8}$$

    ● $1\frac{3}{8}$

    Ⓖ 2

    Ⓗ $2\frac{3}{8}$

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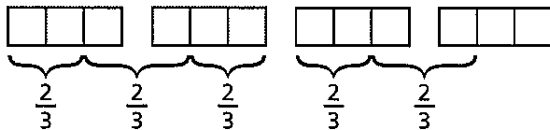
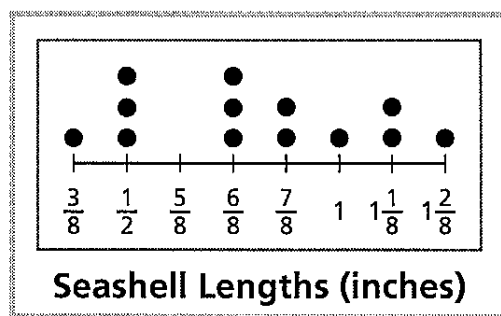   Ⓐ $3\frac{2}{4}$ inches

    Ⓑ $3\frac{1}{4}$ inches

    ● $2\frac{2}{4}$ inches

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(F) $2\frac{2}{3}$ hours

(H) $3\frac{2}{3}$ hours

● $3\frac{1}{3}$ hours

(K) $4\frac{1}{3}$ hours

25. The line plot shows the lengths of some seashells Colton collected at the beach.

Seashell Lengths (inches)

Colton wants to glue some shells along a 4-inch edge of a picture frame. Which combination of shells would **not** work?

(A) all of the $\frac{6}{8}$-inch and $\frac{7}{8}$-inch shells

(B) one $\frac{6}{8}$-inch shell, and all of the 1-inch and $1\frac{1}{8}$-inch shells

(C) two $\frac{1}{2}$-inch shells, and all of the $\frac{7}{8}$-inch and $1\frac{2}{8}$-inch shells

● two $\frac{6}{8}$-inch shells and all of the $\frac{3}{8}$-inch and $1\frac{1}{8}$-inch shells