Name: _____ Date: _____

TEKS 3.3D Compose and Decompose Fractions Practice #1

1 Dora has 8 stickers. The model shows the stickers that are stars and the stickers that are hearts.



Which expression represents the fraction of the stickers that are stars?

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

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

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

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

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2 The fraction $\frac{5}{7}$ can be represented by the expression below.

$$\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \square = \frac{5}{7}$$

Which fraction belongs in the box to complete the expression?

A $\frac{7}{1}$

C $\frac{4}{7}$

B $\frac{1}{7}$

D $\frac{1}{5}$

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3 The expression represents a fraction.

$$\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$$

What fraction does the expression represent?

A $\frac{9}{4}$

C $\frac{5}{9}$

B $\frac{4}{36}$

D $\frac{4}{9}$

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4 The model is shaded to represent a fraction.



Which expression represents the fraction shown on the model?

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

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

C $\frac{1}{1} + \frac{1}{1} + \frac{1}{1}$

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

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5 Which expression is equivalent to $\frac{7}{9}$?

A $\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$

B $\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$

C $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$

D $\frac{1}{1} + \frac{1}{1} + \frac{1}{1} + \frac{1}{1} + \frac{1}{1} + \frac{1}{1}$

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6 Gabriel drank $\frac{1}{5}$ gallon of milk each day on Thursday, Friday, Saturday and Sunday. Which equation represents the fraction of a gallon milk Gabriel drank during these 4 days?

A $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{4}{20}$

B $\frac{5}{1} + \frac{5}{1} + \frac{5}{1} + \frac{5}{1} = \frac{25}{1}$

C $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} = \frac{5}{7}$

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

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7 The expression represents a fraction.

$$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$$

Which fraction does the expression represent?

A $\frac{7}{8}$

C $\frac{6}{8}$

B $\frac{8}{8}$

D $\frac{1}{6}$

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8 The fraction $\frac{3}{4}$ can be represented by the expression below.

$$\frac{1}{4} + \frac{1}{4} + \square = \frac{3}{4}$$

Which fraction belongs in the box to complete the expression?

A $\frac{1}{4}$

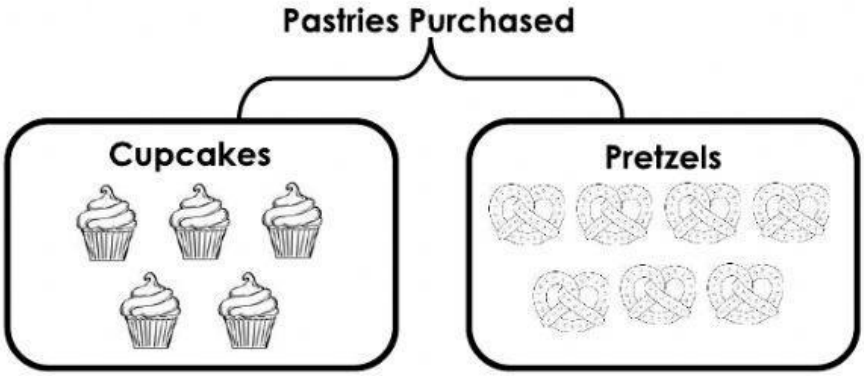
C $\frac{1}{3}$

B $\frac{2}{4}$

D $\frac{4}{1}$

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9 Angela purchased the following pastries for her coworkers.



Which expression represents the fraction of the pastries that are cupcakes?

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

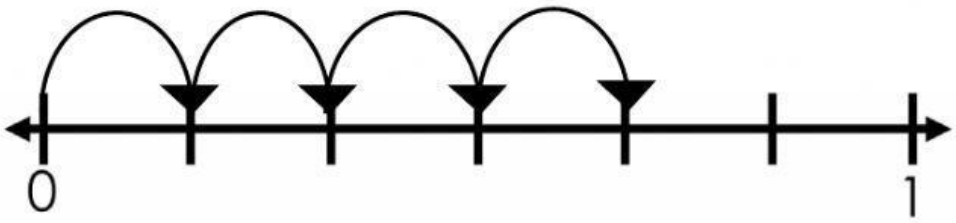
C $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

B $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

D $\frac{1}{1} + \frac{1}{1} + \frac{1}{1} + \frac{1}{1} + \frac{1}{1}$

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10 Jules used a number line to represent a sum of fractions.



Which equation represents the sum of fractions Jules represented on the number line?

A $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} = \frac{4}{7}$

C $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{3}{5}$

B $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{5}{6}$

D $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{4}{6}$

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11 Which expression is equivalent to $\frac{5}{8}$?

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

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

C $\frac{1}{1} + \frac{1}{1} + \frac{1}{1} + \frac{1}{1} + \frac{1}{1}$

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

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12 The model is shaded to represent a fraction.



Which expression represents the fraction shown on the model?

A $\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$

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

B $\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$

D $\frac{1}{1} + \frac{1}{1} + \frac{1}{1} + \frac{1}{1}$

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