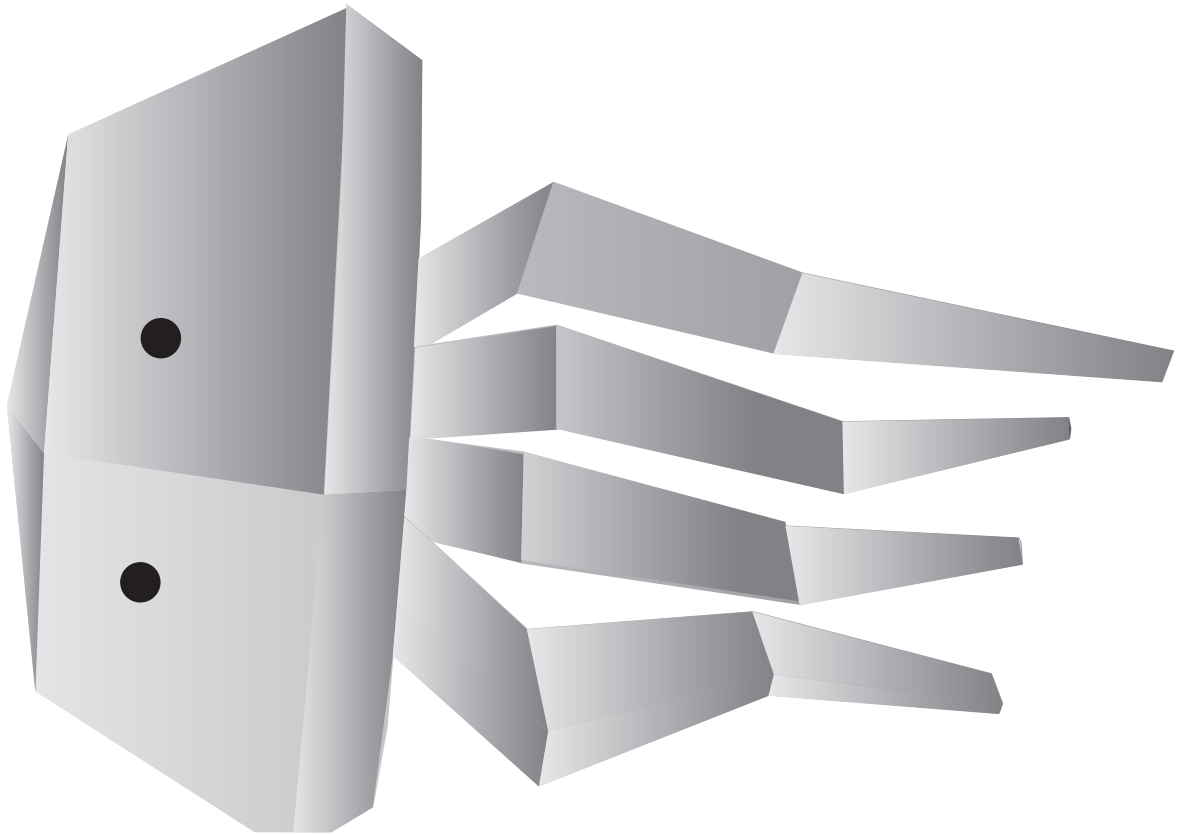


SPRING 2020 | PACK #2



At-home Learning



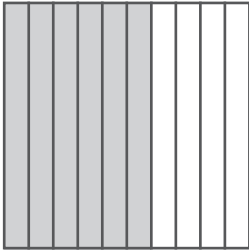
GRADE 4

For more print materials, check out
IXL's workbook series on [Amazon.com](https://www.amazon.com)!

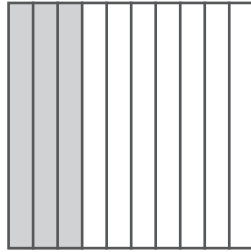
1

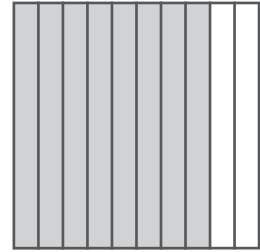
Modeling decimals

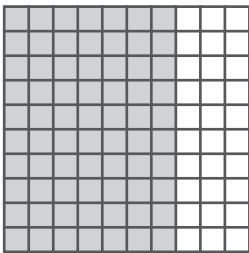
Write the decimal shown.

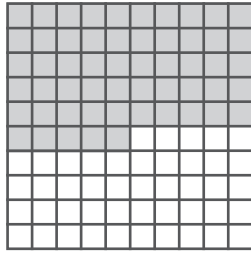


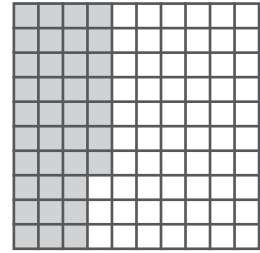
0.6

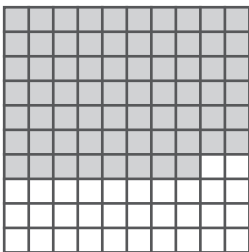


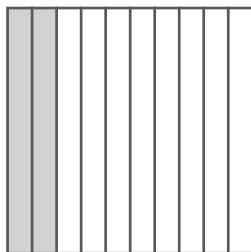


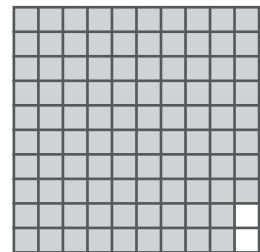












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2 Understanding decimals

Write each fraction as a decimal.

$$\frac{3}{10} = \underline{0.3}$$

$$\frac{8}{10} = \underline{\hspace{2cm}}$$

$$\frac{96}{100} = \underline{\hspace{2cm}}$$

$$\frac{4}{10} = \underline{\hspace{2cm}}$$

$$\frac{25}{100} = \underline{\hspace{2cm}}$$

$$\frac{6}{10} = \underline{\hspace{2cm}}$$

$$\frac{48}{100} = \underline{\hspace{2cm}}$$

$$\frac{9}{100} = \underline{\hspace{2cm}}$$

$$\frac{2}{10} = \underline{\hspace{2cm}}$$

$$\frac{9}{10} = \underline{\hspace{2cm}}$$

$$\frac{30}{100} = \underline{\hspace{2cm}}$$

$$\frac{4}{100} = \underline{\hspace{2cm}}$$

$$\frac{7}{10} = \underline{\hspace{2cm}}$$

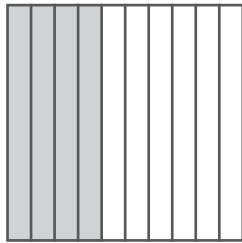
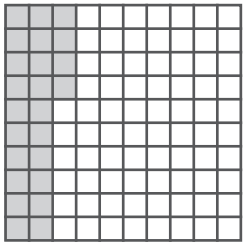
$$\frac{65}{100} = \underline{\hspace{2cm}}$$

$$\frac{89}{100} = \underline{\hspace{2cm}}$$

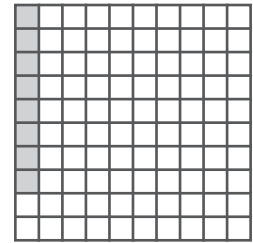
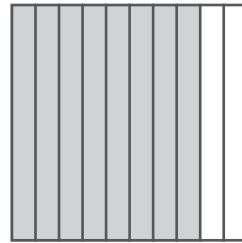
3

Comparing decimals

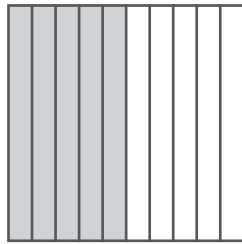
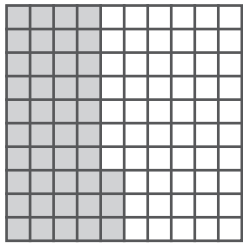
Compare each pair of decimals. Fill in each circle with $>$, $<$, or $=$.



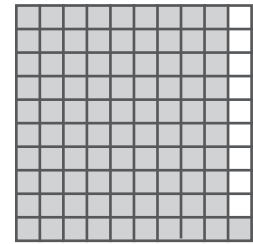
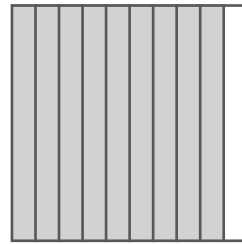
$$0.24 < 0.4$$



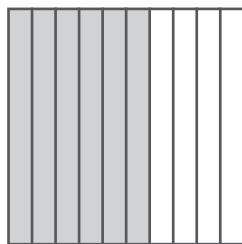
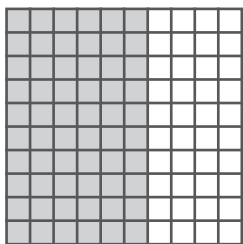
$$0.8 > 0.08$$



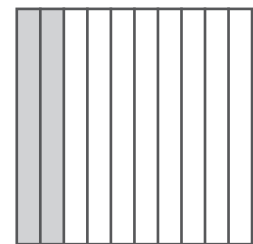
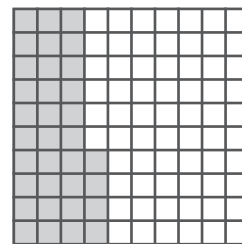
$$0.43 < 0.5$$



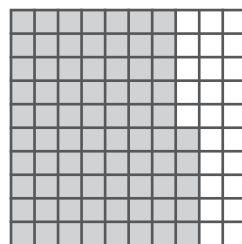
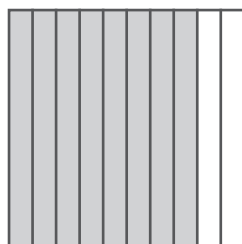
$$0.9 < 0.91$$



$$0.60 = 0.6$$



$$0.34 > 0.2$$



$$0.8 > 0.75$$



4 Comparing decimals

Compare each pair of decimals. Fill in each circle with $>$, $<$, or $=$.

$0.32 \text{ } \textcircled{>} \text{ } 0.30$

$0.75 \text{ } \textcircled{\quad} \text{ } 0.72$

$0.59 \text{ } \textcircled{\quad} \text{ } 0.8$

$0.39 \text{ } \textcircled{\quad} \text{ } 0.48$

$0.12 \text{ } \textcircled{\quad} \text{ } 0.1$

$0.30 \text{ } \textcircled{\quad} \text{ } 0.3$

$0.1 \text{ } \textcircled{\quad} \text{ } 0.09$

$0.65 \text{ } \textcircled{\quad} \text{ } 0.7$

$0.6 \text{ } \textcircled{\quad} \text{ } 0.06$

$0.87 \text{ } \textcircled{\quad} \text{ } 0.78$

$0.51 \text{ } \textcircled{\quad} \text{ } 0.59$

$0.6 \text{ } \textcircled{\quad} \text{ } 0.68$

$2.1 \text{ } \textcircled{\quad} \text{ } 2.17$

$4.8 \text{ } \textcircled{\quad} \text{ } 4.80$

$7.09 \text{ } \textcircled{\quad} \text{ } 7.1$

$3.2 \text{ } \textcircled{\quad} \text{ } 2.44$

$6.7 \text{ } \textcircled{\quad} \text{ } 6.70$

$5.32 \text{ } \textcircled{\quad} \text{ } 5.08$

5

Adding and subtracting mixed numbers

Add or subtract. Regroup, if necessary.

$$10 \frac{5}{8} - 6 \frac{4}{8} = \underline{\hspace{2cm}}$$

$$13 \frac{5}{6} + 12 \frac{5}{6} = \underline{\hspace{2cm}}$$

$$19 \frac{2}{9} + 11 \frac{5}{9} = \underline{\hspace{2cm}}$$

$$8 \frac{2}{5} - 7 \frac{3}{5} = \underline{\hspace{2cm}}$$

$$5 \frac{5}{7} + 16 \frac{2}{7} = \underline{\hspace{2cm}}$$

$$14 \frac{9}{12} + 6 \frac{1}{12} = \underline{\hspace{2cm}}$$

$$9 \frac{8}{9} - 2 \frac{4}{9} = \underline{\hspace{2cm}}$$

$$14 \frac{5}{10} - 8 \frac{9}{10} = \underline{\hspace{2cm}}$$

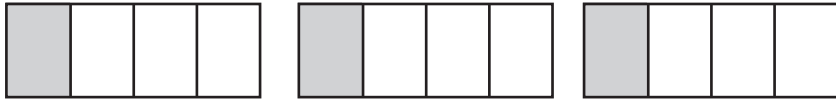
$$19 \frac{7}{11} + 17 \frac{9}{11} = \underline{\hspace{2cm}}$$

$$13 - 8 \frac{1}{4} = \underline{\hspace{2cm}}$$

6

Multiplying fractions

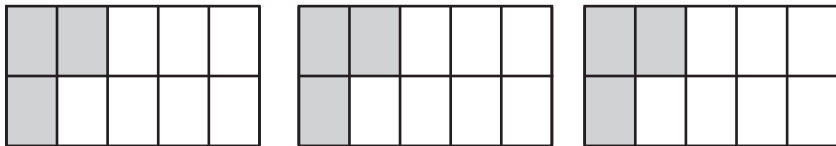
Multiply.



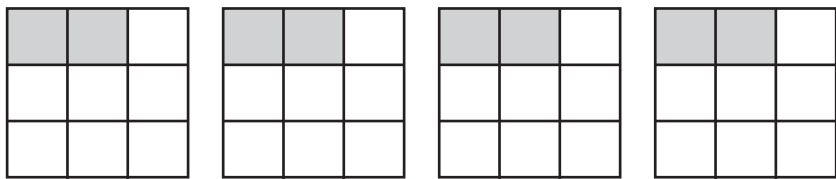
$$3 \times \frac{1}{4} = \underline{\frac{3}{4}}$$



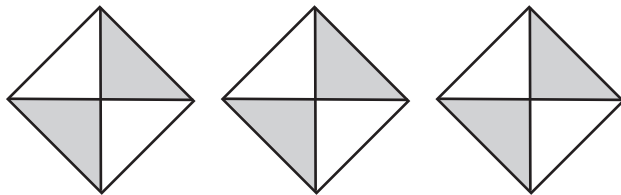
$$2 \times \frac{2}{6} = \underline{\hspace{2cm}}$$



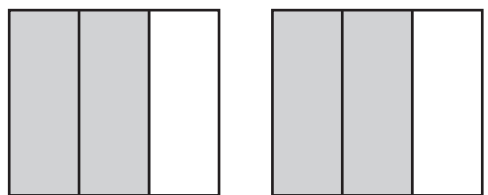
$$3 \times \frac{3}{10} = \underline{\hspace{2cm}}$$



$$4 \times \frac{2}{9} = \underline{\hspace{2cm}}$$



$$3 \times \frac{2}{4} = \underline{\hspace{2cm}}$$



$$2 \times \frac{2}{3} = \underline{\hspace{2cm}}$$



7 Multiplying fractions

Multiply.

$6 \times \frac{3}{5} = \underline{\hspace{2cm}}$

$4 \times \frac{2}{8} = \underline{\hspace{2cm}}$

$7 \times \frac{1}{4} = \underline{\hspace{2cm}}$

$3 \times \frac{4}{5} = \underline{\hspace{2cm}}$

$4 \times \frac{2}{9} = \underline{\hspace{2cm}}$

$2 \times \frac{3}{5} = \underline{\hspace{2cm}}$

$6 \times \frac{2}{11} = \underline{\hspace{2cm}}$

$8 \times \frac{4}{9} = \underline{\hspace{2cm}}$

$9 \times \frac{3}{10} = \underline{\hspace{2cm}}$

$7 \times \frac{3}{7} = \underline{\hspace{2cm}}$

$7 \times \frac{4}{6} = \underline{\hspace{2cm}}$

$11 \times \frac{2}{10} = \underline{\hspace{2cm}}$

8

Word problems

Answer each question. If your answer is greater than 1, write your answer as a mixed number.

Madison is making bags of slime for her friends. She will need $\frac{1}{8}$ of a cup of glue for each bag of slime. How many cups of glue will she need to make 5 bags of slime?

Zion and Alex tried out for the swim team. Zion swam $\frac{1}{5}$ of a mile. Alex swam 3 times as far as Zion. How far did Alex swim?

Diego feeds his dog $\frac{3}{4}$ of a cup of dog food 2 times a day. How many cups of dog food does Diego feed to his dog each day?

At Scoops Ice Cream Shop, there is a sprinkle machine. If you press the button once, you get $\frac{1}{2}$ of a tablespoon of sprinkles. If Harrison presses the button 4 times, how many tablespoons of sprinkles will he get?

9

Comparing decimals

Circle the greatest decimal in each row.

0.81

1.03

0.88

0.4

0.48

0.5

0.73

0.6

1.68

2.3

2.2

1.42

0.9

0.94

1.1

5.6

5.66

5.06

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10 Problem solving

Circle the number that matches all of the clues.

I have a 2 in my tenths place.

I am less than 0.51.

I have a 5 in my hundredths place.

3.25	0.25	3.52
0.52	0.2	0.5
3.2	2.5	2.05

I am greater than 4.

I have a 9 in my hundredths place.

I am less than 4.5.

4.79	0.79	4.09
4.7	0.97	9.4
0.07	0.47	0.7

I am greater than 0.5, but less than 0.9.

I have an 8 in my tenths place.

I am equal to $\frac{4}{5}$.

0.85	8.5	0.5
5.8	0.58	0.08
0.8	8.05	0.05

11 Answer key

PAGE 1

$$\begin{array}{lll} 0.6 & 0.3 & 0.8 \\ 0.70 & 0.55 & 0.37 \\ 0.68 & 0.2 & 0.98 \end{array}$$

PAGE 2

$$\begin{array}{lll} \frac{3}{10} = 0.3 & \frac{8}{10} = 0.8 & \frac{96}{100} = 0.96 \\ \frac{4}{10} = 0.4 & \frac{25}{100} = 0.25 & \frac{6}{10} = 0.6 \\ \frac{48}{100} = 0.48 & \frac{9}{100} = 0.09 & \frac{2}{10} = 0.2 \\ \frac{9}{10} = 0.9 & \frac{30}{100} = 0.3 & \frac{4}{100} = 0.04 \\ \frac{7}{10} = 0.7 & \frac{65}{100} = 0.65 & \frac{89}{100} = 0.89 \end{array}$$

PAGE 3

$$\begin{array}{ll} 0.24 < 0.4 & 0.8 > 0.08 \\ 0.43 < 0.5 & 0.9 < 0.91 \\ 0.60 = 0.6 & 0.34 > 0.2 \\ & 0.8 > 0.75 \end{array}$$

PAGE 4

$$\begin{array}{lll} 0.32 > 0.30 & 0.75 > 0.72 & 0.59 < 0.8 \\ 0.39 < 0.48 & 0.12 > 0.1 & 0.30 = 0.3 \\ 0.1 > 0.09 & 0.65 < 0.7 & 0.6 > 0.06 \\ 0.87 > 0.78 & 0.51 < 0.59 & 0.6 < 0.68 \\ 2.1 < 2.17 & 4.8 = 4.80 & 7.09 < 7.1 \\ 3.2 > 2.44 & 6.7 = 6.70 & 5.32 > 5.08 \end{array}$$

PAGE 5

$$\begin{array}{l} 10 \frac{5}{8} - 6 \frac{4}{8} = 4 \frac{1}{8} \\ 13 \frac{5}{6} + 12 \frac{5}{6} = 26 \frac{4}{6} \text{ or } 26 \frac{2}{3} \\ 19 \frac{2}{9} + 11 \frac{5}{9} = 30 \frac{7}{9} \\ 8 \frac{2}{5} - 7 \frac{3}{5} = \frac{4}{5} \\ 5 \frac{5}{7} + 16 \frac{2}{7} = 22 \\ 14 \frac{9}{12} + 6 \frac{1}{12} = 20 \frac{10}{12} \text{ or } 20 \frac{5}{6} \\ 9 \frac{8}{9} - 2 \frac{4}{9} = 7 \frac{4}{9} \\ 14 \frac{5}{10} - 8 \frac{9}{10} = 5 \frac{6}{10} \text{ or } 5 \frac{3}{5} \\ 19 \frac{7}{11} + 17 \frac{9}{11} = 37 \frac{5}{11} \\ 13 - 8 \frac{1}{4} = 4 \frac{3}{4} \end{array}$$

PAGE 6

$$\begin{array}{l} 3 \times \frac{1}{4} = \frac{3}{4} \\ 2 \times \frac{2}{6} = \frac{4}{6} \text{ or } \frac{2}{3} \\ 3 \times \frac{3}{10} = \frac{9}{10} \\ 4 \times \frac{2}{9} = \frac{8}{9} \\ 3 \times \frac{2}{4} = \frac{6}{4} \text{ or } \frac{3}{2} \\ 2 \times \frac{2}{3} = \frac{4}{3} \end{array}$$

PAGE 7

$$\begin{array}{ll} 6 \times \frac{3}{5} = \frac{18}{5} & 4 \times \frac{2}{8} = \frac{8}{8} \text{ or } 1 \\ 7 \times \frac{1}{4} = \frac{7}{4} & 3 \times \frac{4}{5} = \frac{12}{5} \\ 4 \times \frac{2}{9} = \frac{8}{9} & 2 \times \frac{3}{5} = \frac{6}{5} \\ 6 \times \frac{2}{11} = \frac{12}{11} & 8 \times \frac{4}{9} = \frac{32}{9} \\ 9 \times \frac{3}{10} = \frac{27}{10} & 7 \times \frac{3}{7} = \frac{21}{7} \text{ or } 3 \\ 7 \times \frac{4}{6} = \frac{28}{6} \text{ or } \frac{14}{3} & 11 \times \frac{2}{10} = \frac{22}{10} \text{ or } \frac{11}{5} \end{array}$$

PAGE 8

$$\begin{array}{l} \frac{5}{8} \text{ of a cup} \\ \frac{3}{5} \text{ of a mile} \\ 1 \frac{2}{4} \text{ or } 1 \frac{1}{2} \text{ cups} \\ \frac{2}{1} \text{ or 2 tablespoons} \end{array}$$

PAGE 9

$$\begin{array}{l} 1.03 \\ 0.5 \\ 1.68 \\ 2.3 \\ 1.1 \\ 5.66 \end{array}$$

PAGE 10

$$\begin{array}{l} 0.25 \\ 4.09 \\ 0.8 \end{array}$$