Lesson 7

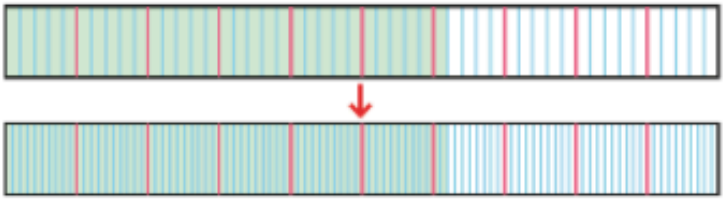
Writing Fractions as Decimals

In Focus

Let's Learn

1 $\frac{31}{50}$ kg = ☐ kg

$\frac{31}{50} = \frac{62}{100}$ = 62 hundredths = 0.62



$\frac{31}{50}$ kg = 0.62 kg

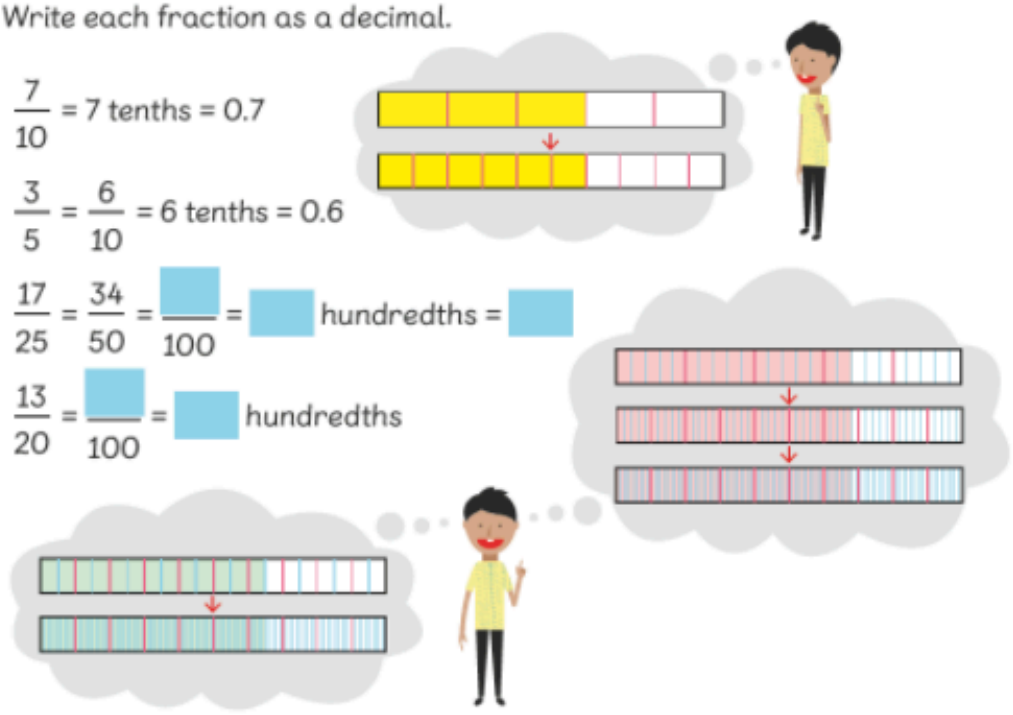
2 Write each fraction as a decimal.

$\frac{7}{10}$ = 7 tenths = 0.7

$\frac{3}{5} = \frac{6}{10}$ = 6 tenths = 0.6

$\frac{17}{25} = \frac{34}{50} = \frac{\square}{100} = \square$ hundredths = $\square$

$\frac{13}{20} = \frac{\square}{100} = \square$ hundredths

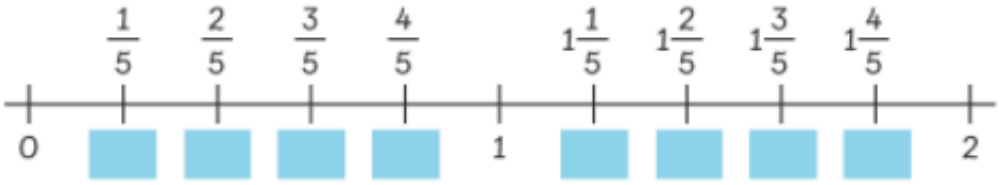


3 Arrange the bags from the lightest to the heaviest.

lightest ⟶ heaviest

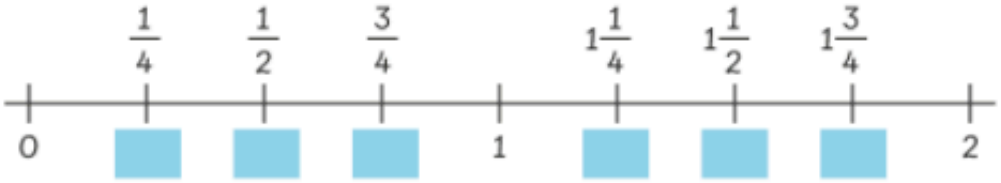
Guided Practice

1 Write each number as a decimal.



2 (a) Who is correct?

(b) Write each number as a decimal.



3 Which number is greater?

(a) $\frac{1}{5}$ or 0.5

(b) $\frac{31}{100}$ or 3.1

(c) $\frac{9}{10}$ or 0.91

(d) $\frac{11}{25}$ or 0.4

Worksheet 7

Writing Fractions as Decimals

1 Write each fraction as a decimal.

(a) $\frac{9}{10} = \square$ tenths $= \square$

(b) $\frac{81}{100} = \square$ hundredths $= \square$

(c) $\frac{1}{2} = \frac{\square}{10} = \square$ tenths $= \square$

(d) $\frac{2}{5} = \frac{\square}{10} = \square$ tenths $= \square$

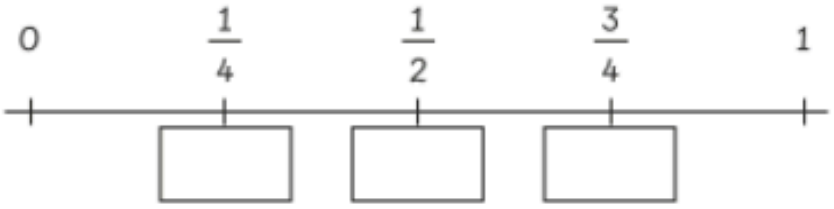
(e) $\frac{14}{20} = \frac{\square}{100} = \square$ hundredths $= \square$

(f) $\frac{27}{50} = \frac{\square}{100} = \square$ hundredths $= \square$

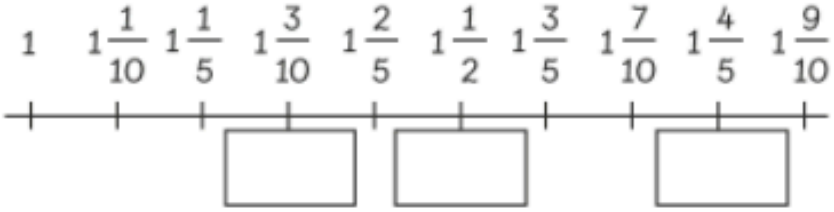
(g) $\frac{11}{25} = \square$ hundredths $= \square$

2 Write each number as a decimal.

(a)



(b)



3 Compare the numbers. Use the symbols > or <.

(a) $\frac{2}{5}$ ☐ 0.25

(b) $1\frac{13}{20}$ ☐ 1.13

(c) 0.34 ☐ $\frac{2}{4}$

(d) 4.1 ☐ $4\frac{1}{100}$