

Yr 4 Decimals and Fractions Unit 1 (4483)

Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Fraction sequences Sheet 1

Working towards ARE / Working at ARE

Day 1 Fraction sequences Sheet 2

Greater Depth

Day 2 Linking fractions and division Sheet 1

Working towards ARE / Working at ARE

Day 2 Linking fractions and division Sheet 2

Working at ARE / Greater Depth

Day 3 Finding unit and non-unit fractions of amounts Sheet 1

Working towards ARE / Working at ARE / Greater Depth

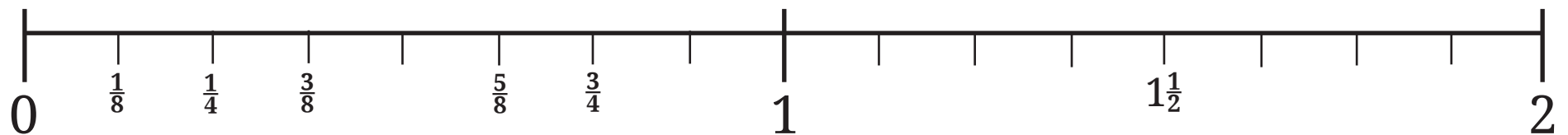
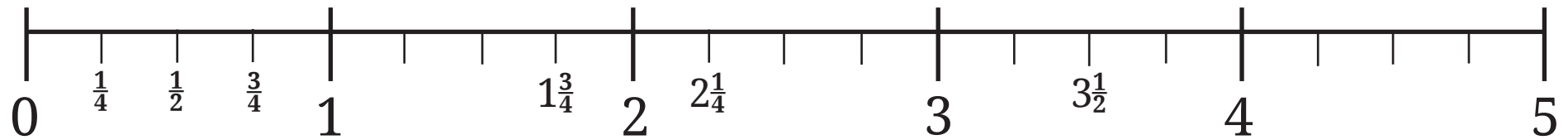
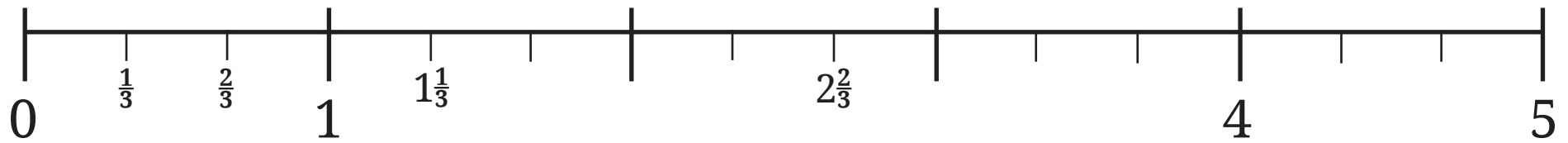
Greater Depth should attempt the challenge.

Fraction sequences

Sheet 1

Fill in the missing numbers in these sequences.

Where possible write fractions in their simplest forms.

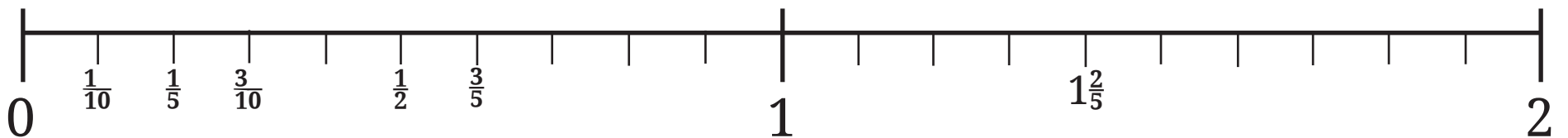
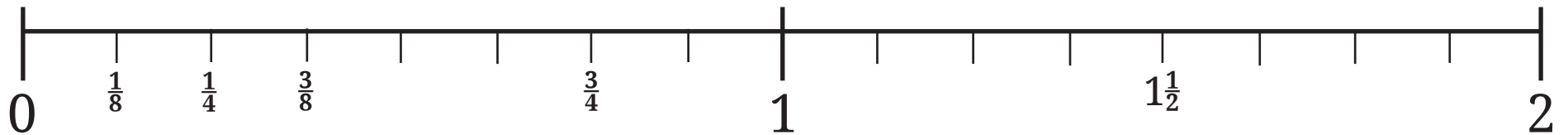
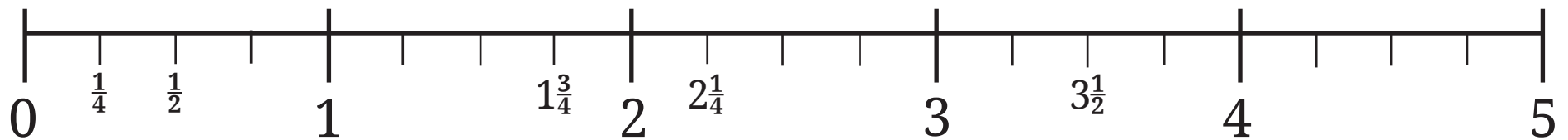


Fraction sequences

Sheet 2

Fill in the missing numbers in these sequences.

Where possible write fractions in their simplest forms.



Linking fractions and division

Sheet 1

If this chocolate bar was cut into four equal pieces, how many chunks would be in each piece?

$\frac{1}{4}$ of 24 is

$\frac{3}{4}$ of 24 is

If this chocolate bar was cut into three equal pieces, how many chunks would be in each piece?

$\frac{1}{3}$ of 24 is

$\frac{2}{3}$ of 24 is

If this chocolate bar was cut into six equal pieces, how many chunks would be in each piece?

$\frac{1}{6}$ of 24 is

$\frac{5}{6}$ of 24 is

If this chocolate bar was cut into eight equal pieces, how many chunks would be in each piece?

$\frac{1}{8}$ of 24 is

$\frac{3}{8}$ of 24 is



Linking fractions and division

Sheet 2

$40 \div 5 =$, so

$\frac{1}{5}$ of 40 is

$\frac{4}{5}$ of 40 is

$40 \div 10 =$, so

$\frac{1}{10}$ of 40 is

$\frac{7}{10}$ of 40 is

$\frac{3}{10}$ of 40 is

$40 \div 8 =$, so

$\frac{1}{8}$ of 40 is

$\frac{5}{8}$ of 40 is

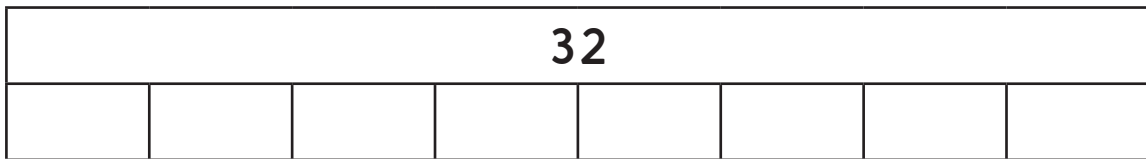
$\frac{8}{8}$ of 40 is

Challenge

True or false? $\frac{9}{5}$ of 40 is 72?

Finding unit and non-unit fractions of amounts

Sheet 1



$\frac{1}{8}$ of 32 is _____

$\frac{2}{8}$ of 32 is _____

$\frac{3}{8}$ of 32 is _____

$\frac{4}{8}$ of 32 is _____

$\frac{5}{8}$ of 32 is _____

$\frac{6}{8}$ of 32 is _____

$\frac{7}{8}$ of 32 is _____

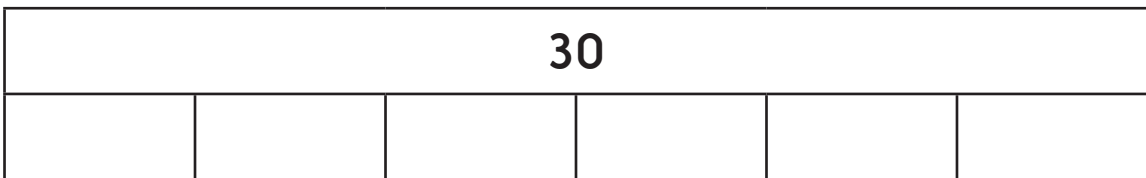
$\frac{8}{8}$ of 32 is _____

$\frac{1}{4}$ of 32 is _____

$\frac{1}{2}$ of 32 is _____

$\frac{3}{4}$ of 32 is _____

$\frac{4}{4}$ of 32 is _____



$\frac{1}{6}$ of 30 is _____

$\frac{2}{6}$ of 30 is _____

$\frac{3}{6}$ of 30 is _____

$\frac{4}{6}$ of 30 is _____

$\frac{5}{6}$ of 30 is _____

$\frac{6}{6}$ of 30 is _____

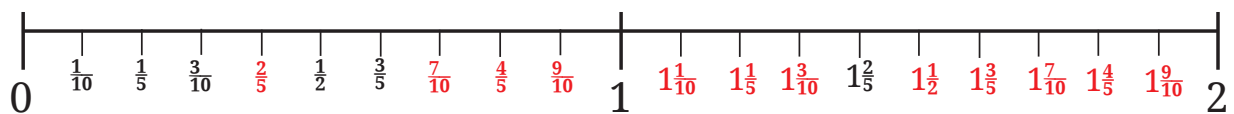
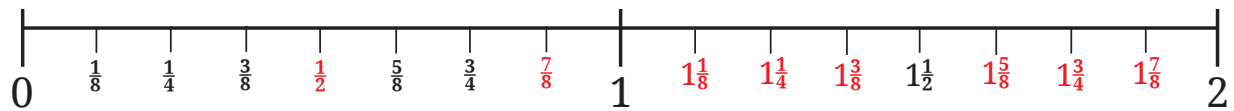
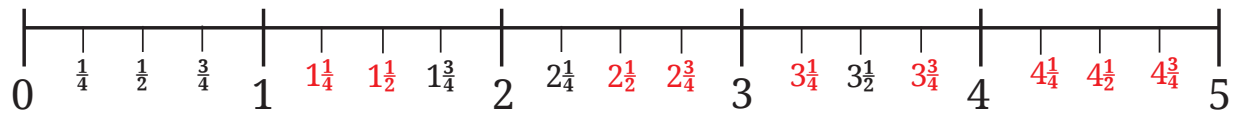
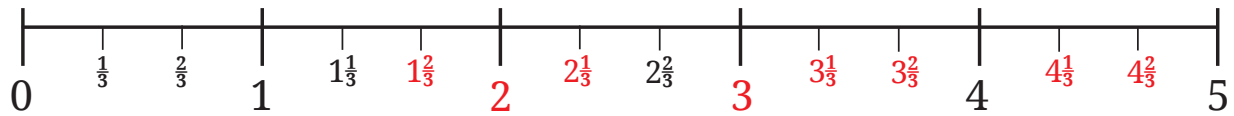
Challenge

Draw your own bar model diagram to find $\frac{1}{3}$ s of 30 and $\frac{1}{5}$ s of 30.

Decimals and fractions

Answers

Day 1 Fraction sequences Sheet 1 and Sheet 2



Day 2 Linking fractions and division Sheet 1

$\frac{1}{4}$ of 24 is 6 $\frac{3}{4}$ of 24 is 18
 $\frac{1}{3}$ of 24 is 8 $\frac{2}{3}$ of 24 is 16
 $\frac{1}{6}$ of 24 is 4 $\frac{5}{6}$ of 24 is 20
 $\frac{1}{8}$ of 24 is 3 $\frac{3}{8}$ of 24 is 9

Day 2 Linking fractions and division Sheet 2

$40 \div 5 = 8$, so $\frac{1}{5}$ of 40 is 8 $\frac{4}{5}$ of 40 is 32
 $40 \div 10 = 4$, so $\frac{1}{10}$ of 40 is 4 $\frac{7}{10}$ of 40 is 28 $\frac{3}{10}$ of 40 is 12
 $40 \div 8 = 5$, so $\frac{1}{8}$ of 40 is 5 $\frac{5}{8}$ of 40 is 25 $\frac{8}{8}$ of 40 is 40

Challenge

True. $\frac{1}{5}$ of 40 is 8. $\frac{9}{5}$ lots of $\frac{1}{5}$, so $9 \times 8 = 72$.

Day 3 Finding unit and non-unit fractions of amounts Sheet 1

$\frac{1}{8}$ of 32 is 4 $\frac{1}{4}$ of 32 is 8 $\frac{1}{6}$ of 30 is 5
 $\frac{2}{8}$ of 32 is 8 $\frac{1}{2}$ of 32 is 16 $\frac{2}{6}$ of 30 is 10
 $\frac{3}{8}$ of 32 is 12 $\frac{3}{4}$ of 32 is 24 $\frac{3}{6}$ of 30 is 15
 $\frac{4}{8}$ of 32 is 16 $\frac{4}{8}$ of 32 is 16 $\frac{4}{6}$ of 30 is 20
 $\frac{5}{8}$ of 32 is 20 $\frac{5}{8}$ of 32 is 20 $\frac{5}{6}$ of 30 is 25
 $\frac{6}{8}$ of 32 is 24 $\frac{6}{8}$ of 32 is 24 $\frac{6}{6}$ of 30 is 30
 $\frac{7}{8}$ of 32 is 28
 $\frac{8}{8}$ of 32 is 32 $\frac{4}{4}$ of 32 is 32

Decimals and fractions

Answers

Day 3 Finding unit and non-unit fractions of amounts Sheet 1

Challenge

Draw your own bar model diagram to find $\frac{1}{3}$ s of 30 and $\frac{1}{5}$ s of 30.

30		
10	10	10

$\frac{1}{3}$ of 30 is 10
 $\frac{2}{3}$ of 30 is 20
 $\frac{3}{3}$ of 30 is 30

30				
6	6	6	6	6

$\frac{1}{5}$ of 30 is 6
 $\frac{2}{5}$ of 30 is 12
 $\frac{3}{5}$ of 30 is 18
 $\frac{4}{5}$ of 30 is 24
 $\frac{5}{5}$ of 30 is 30