# SAMPLE PAGES ORIGO STEPPING STORES TOTAL STORE MATHEMATICS



### **SENIOR AUTHORS**

**James Burnett** 

Calvin Irons

### **CONTRIBUTING AUTHORS**

Debi DePaul

Peter Stowasser

Allan Turton

### **PROGRAM EDITORS**

**James Burnett** 

**Beth Lewis** 

**Donna Richards** 

Stacey Lawson



I. Double and halve to make a problem that is easier to solve. Then write the answer.

a.

15 × 16

b. 36

× 25

c.

35 × I2

×

×

×

×

15 × 16 =

36 × 25 =

35 × I2 =

2. (Loop) the greater fraction in each pair. Use the fraction wall to help.

 $\frac{1}{3}$  or

 $\frac{1}{4}$  or  $\frac{1}{3}$ 

 $\frac{1}{2}$  or  $\frac{1}{4}$ 

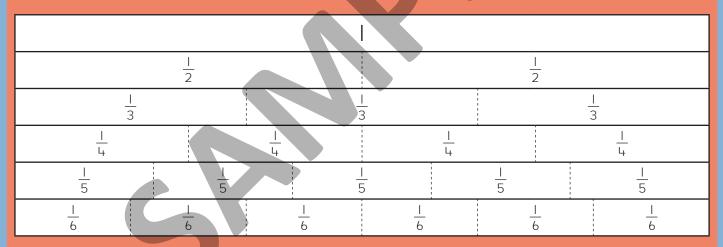
or E

 $\frac{1}{6}$  or  $\frac{1}{2}$ 

 $\frac{1}{4}$  or  $\frac{1}{6}$ 

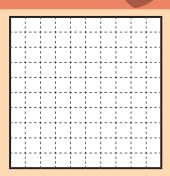
 $\frac{1}{3}$  or  $\frac{1}{5}$ 

 $\frac{1}{6}$  or  $\frac{1}{5}$ 



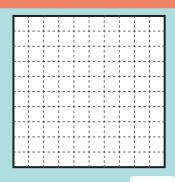
3. Colour parts to show the decimal fraction. Then write the matching common fraction.

a.



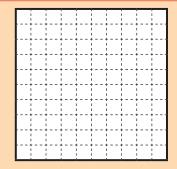
0.09 is the same as

b.



0.19 is the same as

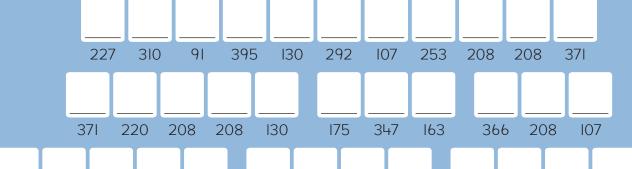
c.

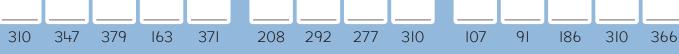


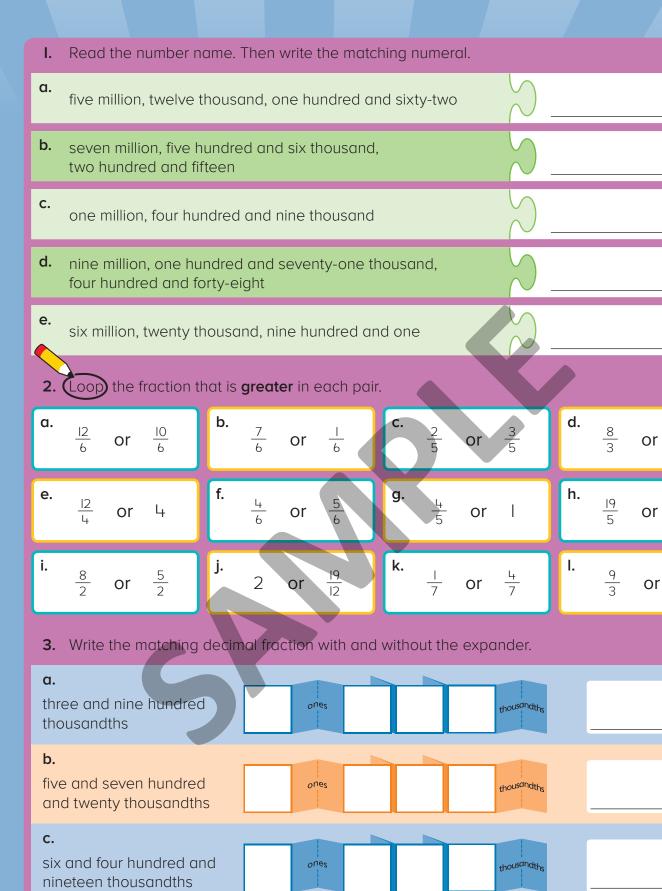
0.9 is the same as

# **FUN FACT**

work out each of these and write the answer. Write each letter above its matching answer at the bottom of the page. Some letters appear more than once.







d.

five and one-thousandth

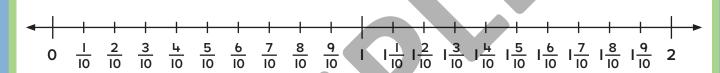
2

thousandths

ones

Number of layers	Volume (cm³)
I	
2	
3	
4	
	of layers  I  2

2. Use this number line to help you write the answers below.



a.

$$\frac{3}{10} + \frac{6}{10} = ----$$

b.

$$\frac{7}{10} + \frac{2}{10} =$$

c.

$$\frac{1}{10} + \frac{L_4}{10} =$$

d.

$$\frac{9}{10} + \frac{5}{10} =$$

$$1\frac{2}{10} + \frac{6}{10} =$$

f.

$$\frac{8}{10} + \frac{3}{10} =$$

g.

$$\frac{7}{10} + \frac{8}{10} =$$

h

$$\frac{3}{10} + |\frac{9}{10}| =$$

.

$$|\frac{7}{10} + \frac{6}{10}| =$$

**3.** For each number, draw a line to show where you think it is located on the number line. Then write the **nearest tenth**.

a.

0

**b.** 0.435

**c.** 0.97

**d.** 1.08

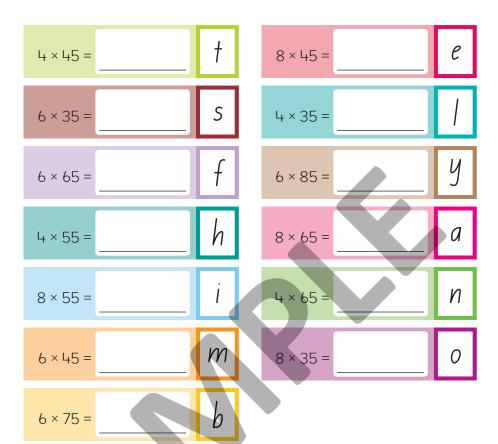
**e.** 1.49

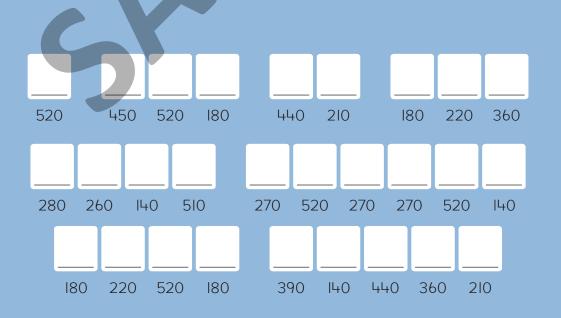
**f.** 1.905

2

# **ANOTHER AMAZING FACT**

★ Work out each of these and write the product. Then write each letter above its matching product at the bottom of the page. Some letters appear more than once.







a.

is the same as

b.

is the same as

c.

is the same as

d.

is the same as

2. Write each whole number as a fraction. Use what you know about multiples to help you.

a.

b.

**L**<sub>4</sub> = 
$$\frac{}{3}$$

c.

**3.** Work out the total distance for each of these.

a.



b.

c.

d.

e.

f.

g.

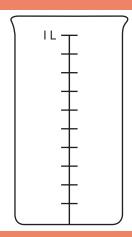
h.

I. Draw lines to the scale to show the position of each amount.

750 mL

0.7 L

350 mL



<u>|</u> | 5

0.95 L

0.05 L



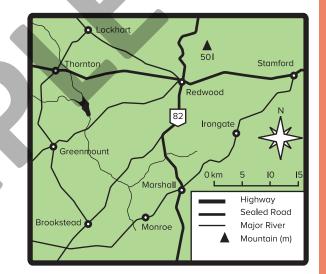
0.4 L

2. Write compass directions to make true sentences.

**a.** The mountain is \_\_\_\_\_ of Redwood.



and \_\_\_\_\_ of Thornton.



- **c.** Greenmount is \_\_\_\_ of Redwood.
- **d.** Lockhart is \_\_ of Thornton.
- e. Monroe is \_\_\_\_\_\_ of Marshall and \_\_\_\_\_ of Brookstead.
- 3. Use what you know about equivalence to calculate each total.

$$\frac{3}{10} + \frac{45}{100} =$$

$$\frac{6}{10} + \frac{9}{100} =$$

$$\frac{1}{10} + \frac{57}{100} =$$

$$\frac{7}{10} + \frac{15}{100} =$$

$$3\frac{2}{10} + \frac{30}{100} =$$

$$1\frac{1}{10} + 2\frac{10}{100} =$$

$$\frac{9}{100} + \frac{2}{10} =$$

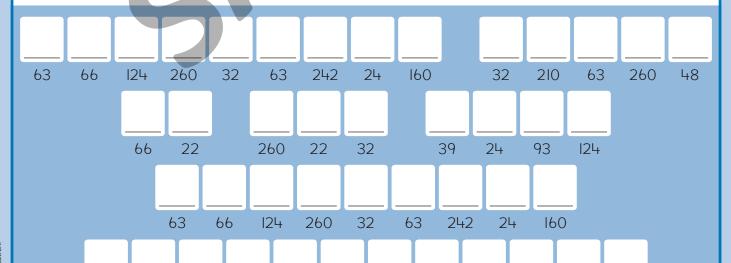
$$1\frac{14}{100} + 2\frac{5}{10} =$$

$$|\frac{4}{100} + |\frac{5}{100} =$$

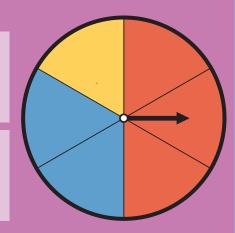
# **AMAZING FACT**

work out each of these and write the quotient. Then write each letter above its matching quotient at the bottom of the page. Some letters appear more than once.





Emma wants to buy a car for \$18 250. She has saved \$11 125. Her parents will give her \$5000 towards the cost. How much more does she need to save?



**3.** Write the missing digits in these formal multiplication algorithms.

0

4

0

5

7

3

d.

8

×	

7



8

4

3 3 6



4 0

	_	
- 1		
- 1		
- 1		

7 6

7

0

8

I.	These digit cards were drawn from a deck	
	3 9 2	8 5 7 8
a.	Use each digit once to make these.	greatest least
•	the <b>greatest</b> and <b>least</b> numbers	
•	any five numbers that are between 2 500	000 and 3 000 000
b.	Rewrite your five numbers from directly ab	ove in order from <b>least</b> to <b>greatest</b> .
2.	Complete these to show equivalent fractio	ns,
a.	I.7 ones = hundredths	<b>b.</b> 5 hundredths = thousandths
c.	24 tens = hundredths	d. 9 tenths = thousandths
e.	750 hundredths = tenths	f. 304 thousandths = ones
3.	Solve each problem. Show your thinking.	
a.	The Footy Fever website had I235 members in April. They now have 2009 members. How many members have joined since April?	b. The Surfer Girl website had 4207 members in June. They now have 3715 members. How many members have left since June?
	members	s members
	member:	members

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