

# Homework/Extension

## Step 7: Find a Third

### National Curriculum Objectives:

Mathematics Year 2: (2F1a) [Recognise, find, name and write fractions  \$\frac{1}{3}\$ ,  \$\frac{1}{4}\$ ,  \$\frac{2}{4}\$  and  \$\frac{3}{4}\$  of a length, shape, set of objects or quantity](#)

Mathematics Year 2: (2F1b) [Write simple fractions for example,  \$\frac{1}{2}\$  of  \$6 = 3\$](#)

### Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

**Developing** Match cards to show the third of a quantity of objects. Arrays used with dividing lines.

**Expected** Match cards to show the third of a quantity. Array without dividing lines, PV counters and blank grid used.

**Greater Depth** Match cards to show the third of a quantity. Objects arranged randomly, blank grid and numerals used.

Questions 2, 5 and 8 (Varied Fluency)

**Developing** Find a third of a quantity of money. Array of coins used with dividing lines.

**Expected** Find a third of a quantity of money. Pictorial support given, no dividing lines.

**Greater Depth** Find a third of a quantity of money. No pictorial support given.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

**Developing** Complete statements about finding a third of a quantity. Scaffolding given.

**Expected** Complete statements about finding a third of a quantity, by finding mistakes. Some scaffolding given.

**Greater Depth** Complete statements about finding a quantity when the third of that quantity is given.

More [Year 2 Fractions](#) resources.

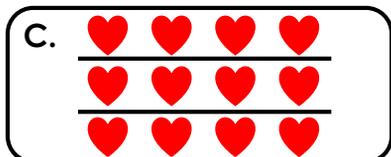
Did you like this resource? Don't forget to [review](#) it on our website.

# Find a Third

1. Match each whole number to its third.

A. 

B. 

C. 

4

3

5



VF  
HW/Ext

2. Ted went shopping. He bought 3 packets of stickers. He spent 18p in total.



Sam

Each pack of stickers cost  
6p.



Kim

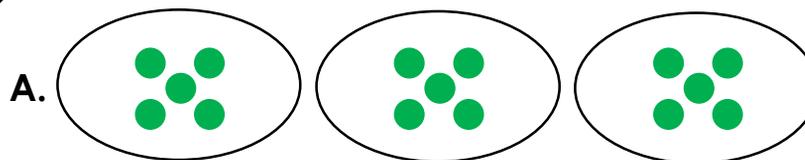
Each pack of stickers cost  
7p.

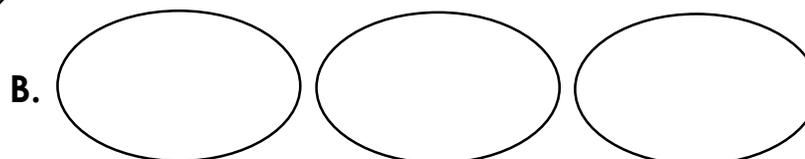
Who is correct?



VF  
HW/Ext

3. Ben has used the sorting hoops to find  $\frac{1}{3}$  of different numbers. Complete the statements.

A.   $\frac{1}{3}$  of 15 =

B.   $\frac{1}{3}$  of 21 =



RPS  
HW/Ext

# Find a Third

4. Match each whole number to its third.

A.

5

B.

7

C.

6



VF  
HW/Ext

5. Rose went shopping. She bought 3 packets of stickers. She spent 24p in total.



Each pack of stickers cost  
7p.



Each pack of stickers cost  
8p.

Fabio

Tianna

Who is correct?



VF  
HW/Ext

6. Mia has used the sorting hoops to find  $\frac{1}{3}$  of different numbers. Find and correct her mistakes and then complete the statements.

A.

$\frac{1}{3}$  of 12 =

B.

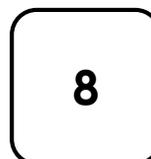
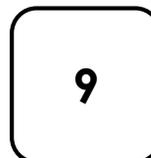
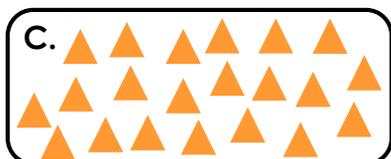
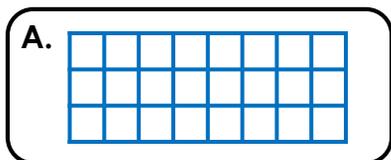
$\frac{1}{3}$  of 30 =



RPS  
HW/Ext

# Find a Third

7. Match each whole number to its third.



VF  
HW/Ext

8. Ivy went shopping. She bought 3 packets of pens. She spent 33p in total.



Each pack of stickers cost  
11p.

Hamza



Each pack of stickers cost  
12p.

Mabel

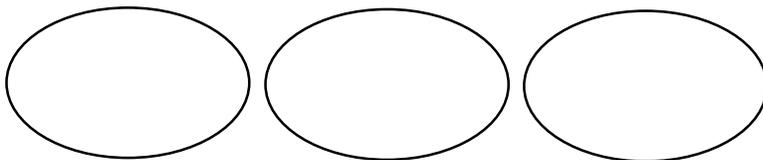
Who is correct?



VF  
HW/Ext

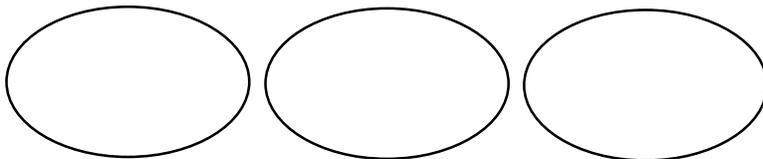
9. Complete the statements. Use the hoops to convince me.

A.



$$\frac{1}{3} \text{ of } \square = 8$$

B.



$$\frac{1}{3} \text{ of } \square = 12$$



RPS  
HW/Ext

## Homework/Extension Find a Third

### Developing

1. **A = 3; B = 5; C = 4**
2. **Sam**
3.  **$A = \frac{1}{3}$  of 15 = 5;  $B = \frac{1}{3}$  of 21 = 7**

### Expected

4. **A = 6; B = 5; C = 7**
5. **Tianna**
6. **The mistake that Mia has made is that she put all 12 counters in 1 group instead of sharing them between 3 groups.  $A = \frac{1}{3}$  of 12 = 4**  
**The mistake that Mia has made is that she only shared out 3 counters between the 3 groups, instead of sharing 30.  $B = \frac{1}{3}$  of 30 = 10**

### Greater Depth

7. **A = 8; B = 9; C = 7**
8. **Hamza**
9.  **$A = \frac{1}{3}$  of 24 = 8; 8 counters in each hoop**  
 **$B = \frac{1}{3}$  of 36 = 12; 12 counters in each hoop**