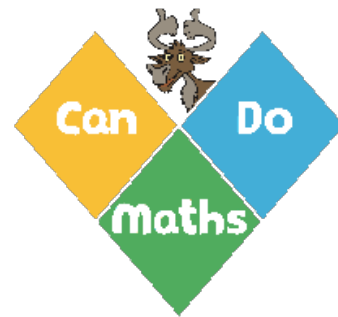




Colin and Coco's Deliberate Practice

Year 2 Unit 10

Fractions **Answers**





Contents

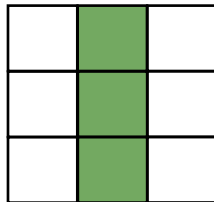
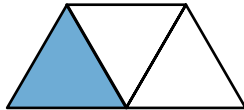
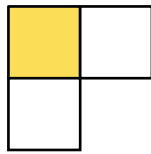
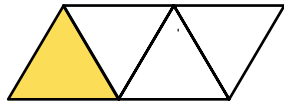
This pack of deliberate practice is designed to be used flexibly to secure the manageable steps of this unit.

The table below indicates which activities are linked to which manageable steps.

	Do It	Challenge It	Play It
Recognise one third as one of three equal parts of a shape and use fraction notation	1		
Find $\frac{1}{3}$ of objects			1
Find $\frac{1}{3}$ of an amount		1	
Recognise two quarters as two of four equal parts, or two of one quarter of a shape and use fraction notation	2		
Find $\frac{2}{4}$ of objects			2
Find $\frac{2}{4}$ of an amount		2	
Recognise that a half is equivalent to two quarters	2		2
Recognise three quarters as three of four equal parts, or three of one quarter of a shape and use fraction notation		3	
Find $\frac{3}{4}$ of objects	3		
Find $\frac{3}{4}$ of an amount	3		

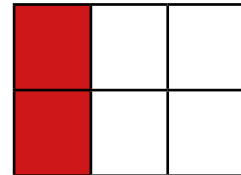


Tick $\frac{1}{3}$



Shade $\frac{1}{3}$

Shade one out of every 3 parts



Do It 1

Match the calculation with the answer.
Find the matching buddies.

Challenge It 1

$\frac{1}{3}$ of 12		1
$\frac{1}{3}$ of 9		10
$\frac{1}{3}$ of 30		2
$\frac{1}{3}$ of 6		1
$\frac{1}{3}$ of 15		3
$\frac{1}{3}$ of 3		8
$\frac{1}{3}$ of 24		6
$\frac{1}{3}$ of 3		4
$\frac{1}{3}$ of 18		5



Third of a Game

Play It 1

You need:

20 items (e.g. cubes, counters, etc)

To play:

Players take turns to pick a handful of items.

Each player tries to calculate one third of their cubes and writes their number down.

The players use the bar to check their answers.

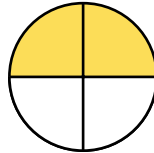
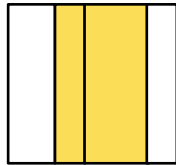
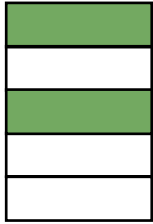
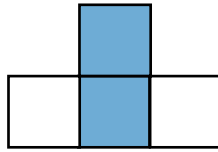
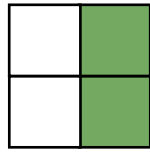
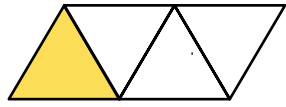
A player scores the amount in one third. If one third cannot be shown with cubes they score zero.

To win:

The winner is the first player to score 30

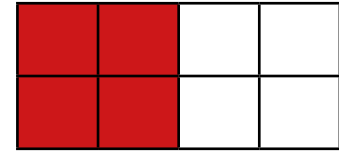
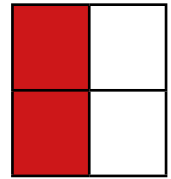


Tick $\frac{2}{4}$

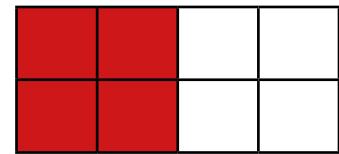
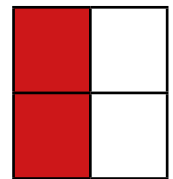
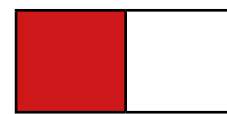


Do It 2

Shade $\frac{1}{2}$
Possible solutions



Shade $\frac{2}{4}$



Find the missing digits.

Challenge It 2

2			

$$\frac{2}{4} \text{ of } 2 \square = \square$$

Solve the statements in as many different ways
as you can.



Two Quarters of a Game

Play It 2

You need:

20 items (e.g. cubes, counters, etc)

Fraction Cards

To play:

Place the cards face down on the table.

Players take turns to pick a handful of items and a fraction card.

Each player tries to calculate two quarters or one half of the amount and writes their number down.

A player scores the number of cubes in their fraction. If the fraction cannot be shown with cubes they score zero.

The players use the bar to check their answers.

To win:

The winner is the first player to score 30

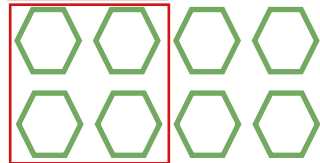
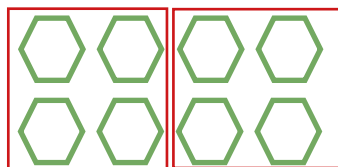
$$\frac{1}{2}$$

$$\frac{2}{4}$$



Do It 3

Find $\frac{3}{4}$ of:



Calculate

$$\frac{3}{4} \text{ of } 4 = \boxed{3}$$

$$\frac{3}{4} \text{ of } 12 = \boxed{9}$$

$$\frac{3}{4} \text{ of } 40 = \boxed{30}$$

$$\frac{3}{4} \text{ of } 20 = \boxed{15}$$

$$\frac{3}{4} \text{ of } 24 = \boxed{18}$$

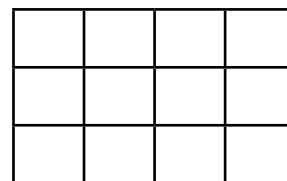
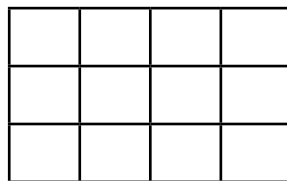
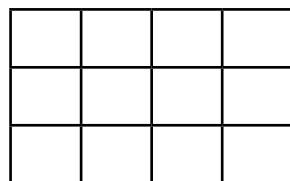
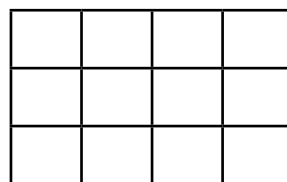
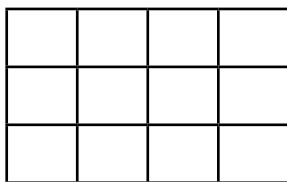
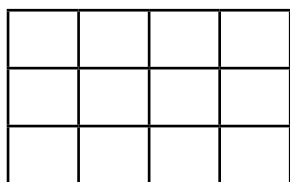
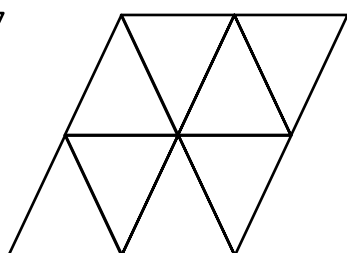
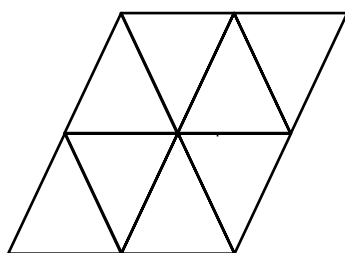
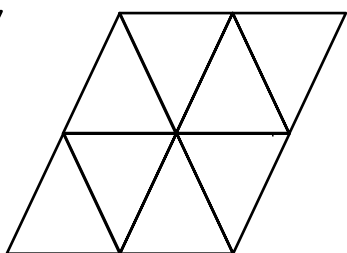
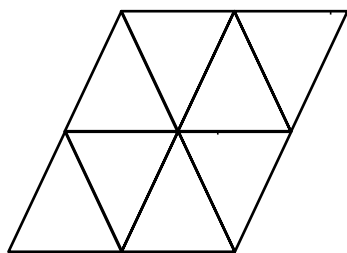
$$\frac{3}{4} \text{ of } 36 = \boxed{27}$$

$$\frac{3}{4} \text{ of } 28 = \boxed{21}$$

$$\frac{3}{4} \text{ of } 48 = \boxed{36}$$

Challenge It 3

Shade $\frac{3}{4}$ of the shapes in several different ways.





Three Quarters of a Game

Play It 3

You need:

- Counters or colours for each player
- Three Quarters Board (on the next page.)
- Fraction cards (face down)

To play:

Place the cards face down on the table.

Every time it is your turn:

- pick a fraction card then
- choose a number on the board
- find either $\frac{1}{4}$, $\frac{1}{2}$ or $\frac{3}{4}$ of the number depending on the fraction card.

Say your number sentence aloud, e.g. 'one half of 12 equals 6'

Convince your opponenet you are correct and cover the number with a counter/ colour. The fraction card is shuffled back into the other cards.

To win:

The winner is the first player to cover 4 numbers in a line, horizontally, vertically or diagonally.

$$\frac{1}{4}$$

$$\frac{1}{2}$$

$$\frac{3}{4}$$



Three Quarters Board

4	16	8	20	6	12	16	2
20	2	14	12	24	14	10	8
12	28	16	6	4	40	12	18
8	6	4	12	2	8	20	24
4	12	40	20	10	16	14	6
10	16	8	6	14	12	4	16
18	4	12	10	2	18	40	8
8	6	20	4	16	8	12	14