

Rounding Numbers

Rounding Numbers

1a. Which two numbers will round to the same value when rounded to the nearest 1,000,000?

a

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●●	●●●	●●	●●	●●●	●	●●

b 3,157,995

c 3,713,482



VF

1b. Which two numbers will round to the same value when rounded to the nearest 1,000,000?

a

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●●●	●●●	●●	●	●	●●	●●

b 7,366,831

c 6,455,322



VF

2a. Which numbers round to 3,000,000 when rounding to the nearest 1,000,000?

3,571,602

3,429,450

2,814,304

2,416,530



VF

2b. Which numbers round to 4,000,000 when rounding to the nearest 1,000,000?

3,501,715

4,098,275

3,799,140

4,510,340



VF

3a. Tick to show whether the number rounds to 4,000,000 or 5,000,000 to the nearest 1,000,000.

Number	Rounds to 4,000,000	Rounds to 5,000,000
4,144,831		
4,531,258		
4,776,012		



VF

3b. Tick to show whether the number rounds to 8,000,000 or 9,000,000 to the nearest 1,000,000.

Number	Rounds to 8,000,000	Rounds to 9,000,000
8,652,683		
8,348,135		
8,514,763		



VF

4a. Round the number below to the nearest 1,000,000.

7,503,142



VF

4b. Round the number below to the nearest 1,000,000.

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●●	●●●	●●		●●●	●●	●



VF

Rounding Numbers

Rounding Numbers

1a. Which number is the odd one out when rounded to the nearest million? Explain your answer.

1,903,009

2,503,104

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●●	●●●●	●●	●●●●	●●	●●●●	●●



R

1b. Which number is the odd one out when rounded to the nearest million? Explain your answer.

4,681,733

4,501,020

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●●●	●	●●●	●●●	●●	●●●	●



R

2a. Work out which child has which number. Find two possible solutions.

4,672,145

5,413,692

5,515,633

To the nearest 1,000,000, my number rounds to 5,000,000.



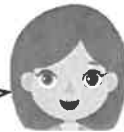
Michael

To the nearest 1,000,000, my number rounds to 6,000,000.



Kevin

To the nearest 1,000,000, my number rounds to 5,000,000.



Anna PS



2b. Work out which child has which number. Find two possible solutions.

7,321,562

8,414,793

7,641,383

To the nearest 1,000,000, my number rounds to 8,000,000.



Stephen

To the nearest 1,000,000, my number rounds to 8,000,000.



Paul

To the nearest 1,000,000, my number rounds to 7,000,000.



Sophie PS



3a. Alfie is rounding numbers. He says,

I think that 4,512,671 rounded to the nearest million is 4,500,000.



Is he correct? Explain your answer.



R

3b. Susan is rounding numbers. She says,

I think that 7,523,993 rounded to the nearest million is 7,000,000.



Is she correct? Explain your answer.



R

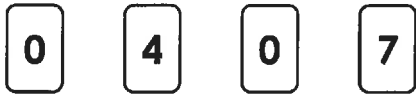
Fractions to Decimals 1

Fractions to Decimals 1

1a. Use the digit cards to complete the statements.

$\frac{40}{100}$ is equivalent to 0.

$\frac{7}{10}$ is equivalent to 0.

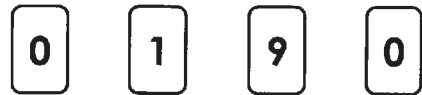


VF

1b. Use the digit cards to complete the statements.

$\frac{1}{10}$ is equivalent to 0.

$\frac{9}{100}$ is equivalent to 0. 9



VF

2a. True or false?

0.5 is equivalent to $\frac{50}{100}$.



VF

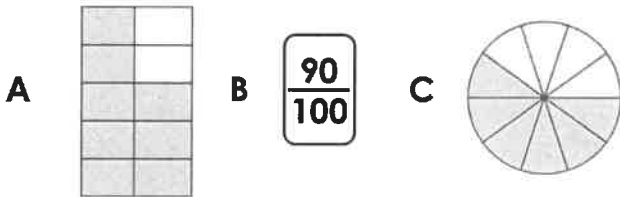
2b. True or false?

0.7 is equivalent to $\frac{7}{100}$.



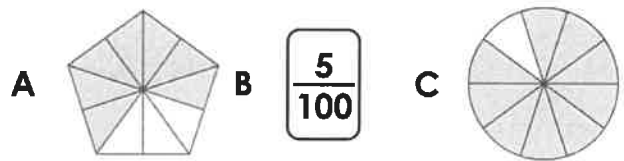
VF

3a. Convert the fractions below to decimals.



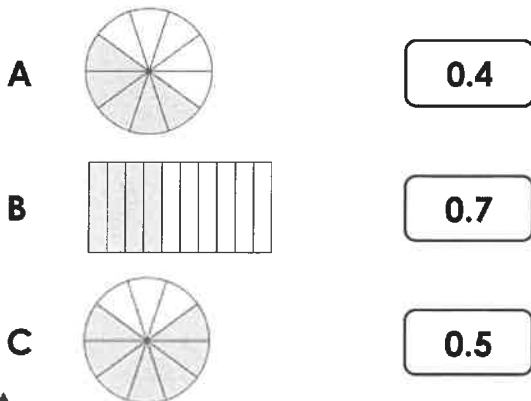
VF

3b. Convert the fractions below to decimals.



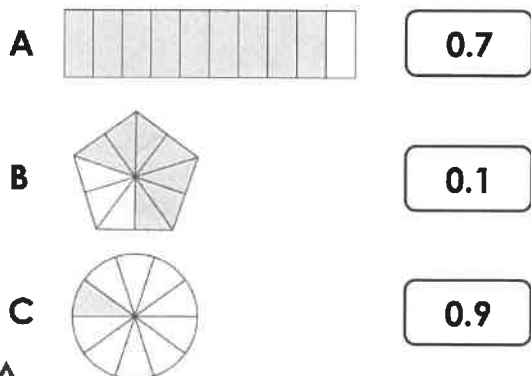
VF

4a. Match the decimals to the equivalent image.



VF

4b. Match the decimals to the equivalent image.



VF

Fractions to Decimals 1

Fractions to Decimals 1

1a. Josh and Jenny are comparing fractions.



Josh

I think that 0.7 is greater.



Jenny

I think that $\frac{70}{100}$ is greater.

Who is correct. Explain how you know.



R

1b. Cian and Hannah are comparing fractions.



Cian

I think that 0.2 is greater.



Hannah

I think that $\frac{2}{100}$ is greater.

Who is correct. Explain how you know.



R

2a. Convert the fractions into decimals and write them in ascending order.



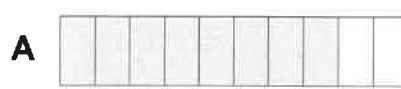
B $\frac{1}{100}$

C $\frac{3}{10}$



PS

2b. Convert the fractions into decimals and write them in descending order.



B $\frac{40}{100}$

C $\frac{5}{100}$



PS

3a. I am thinking of a fraction.

- It can be simplified.
- The denominator is 10.
- The numerator is a multiple of 3.
- It is less than half.

What is my fraction?
What is this fraction as a decimal?



PS

3b. I am thinking of a fraction.

- It can be simplified.
- The denominator is 100.
- The numerator is a multiple 6.
- The numerator is between 40 and 56.

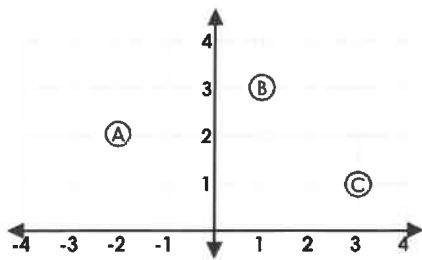
What is my fraction?
What is this fraction as a decimal?



PS

Four Quadrants

1a. Match coordinates with the points on the grid.



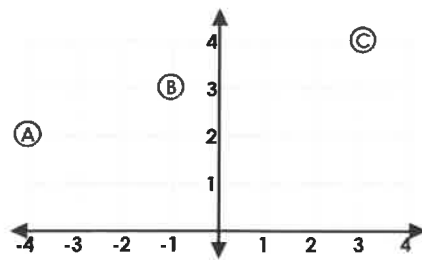
(1, 3)
(3, 1)
(-2, 2)
(-3, 2)



VF

Four Quadrants

1b. Match coordinates with the points on the grid.

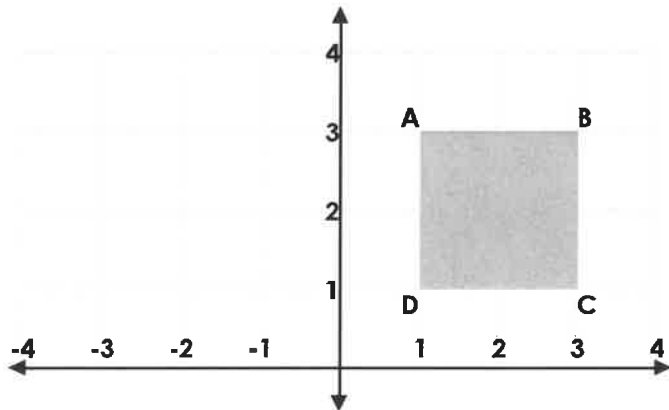


(-4, 2)
(3, 4)
(-1, 3)
(0, 4)



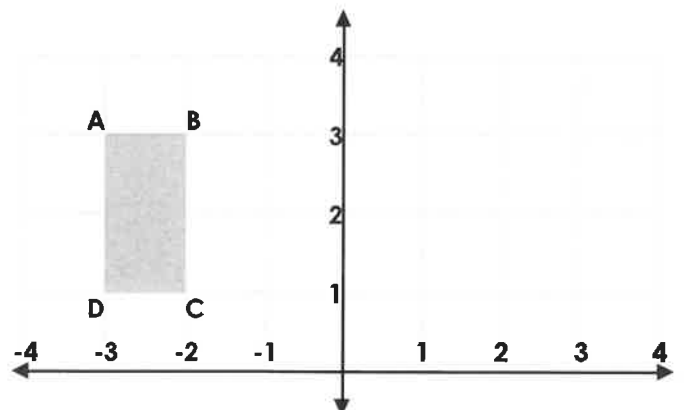
VF

2a. Write the coordinates of the shape.



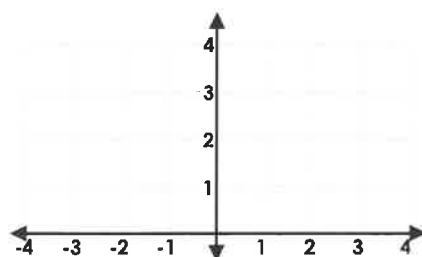
VF

2b. Write the coordinates of the shape.



VF

3a. Plot the coordinates to draw the shape. What shape have you drawn?

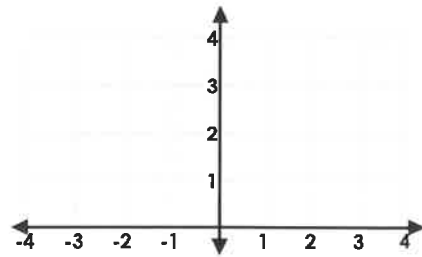


(-1, 1)
(-4, 1)
(-4, 3)
(-1, 3)



VF

3b. Plot the coordinates to draw the shape. What shape have you drawn?



(1, 1)
(4, 1)
(1, 4)
(4, 4)

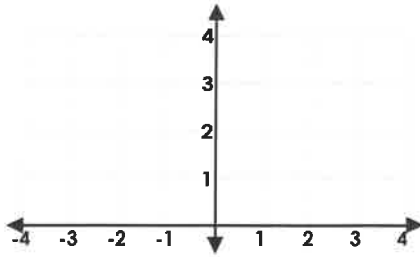


VF

Four Quadrants

1a. Eliza thinks that the coordinates below make a square.

(1, 1)
(3, 1)
(1, 3)
(3, 4)



Is she correct? Explain why.

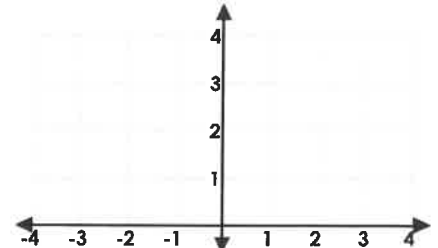


R

Four Quadrants

1b. Jacob thinks that coordinates below make a rectangle.

(-3, 1)
(-3, 4)
(-1, 2)
(-1, 4)



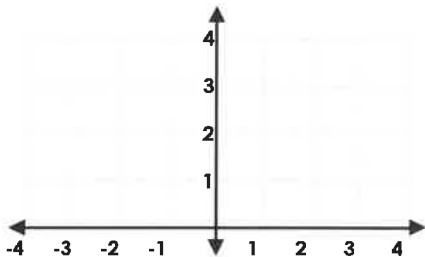
Is he correct? Explain why.



R

2a. Follow the clues. What could the coordinates of the shape be?

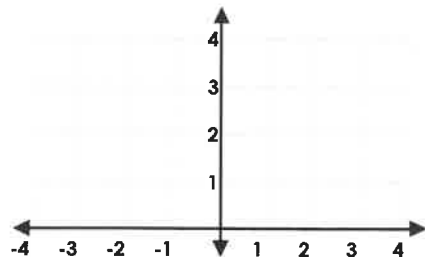
- The shape is a rectangle.
- The shape is in one quadrant.
- One of the points is (1, 2).



PS

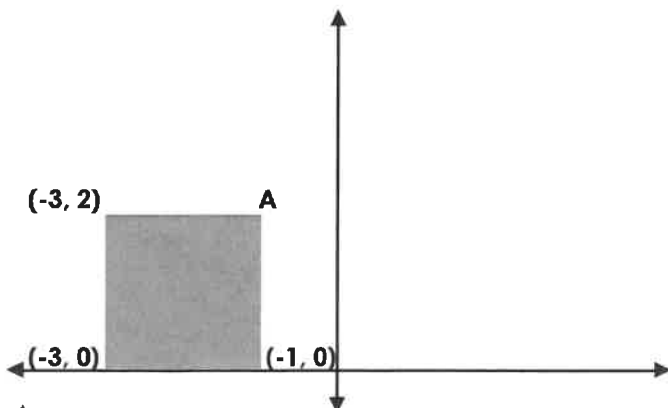
2b. Follow the clues. What could the coordinates of the shape be?

- The shape has some negative coordinates.
- The shape is a triangle.
- One of the points is (-2, 3).



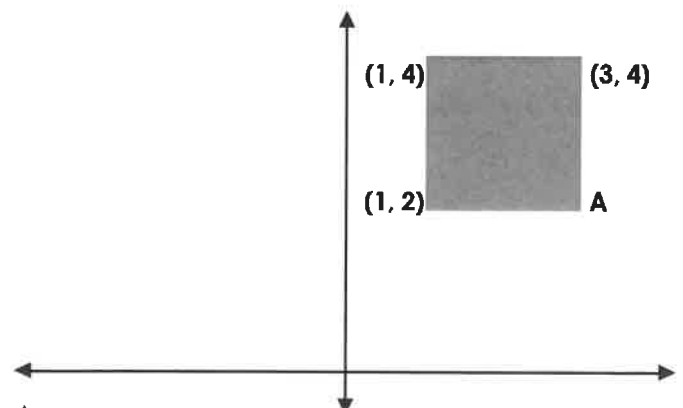
PS

3a. Here is a square. Use the given coordinates to find the coordinates of points A.



R

3b. Here is a square. Use the given coordinates to find the coordinates of points A.

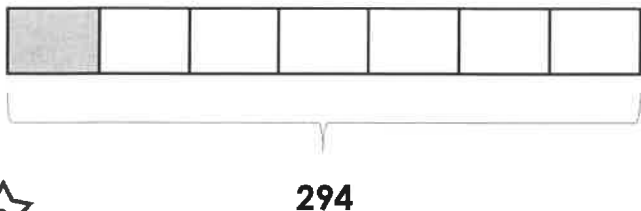
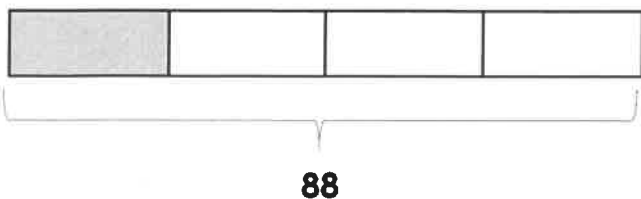


R

Fraction of an Amount

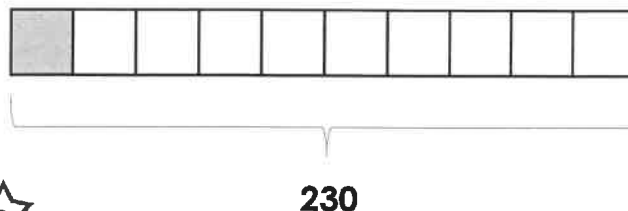
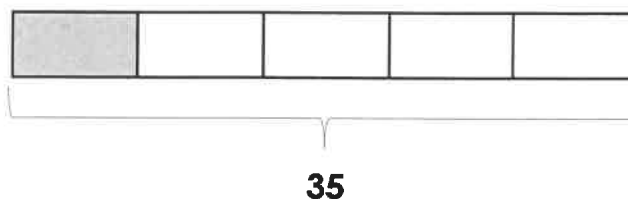
Fraction of an Amount

1a. Find the value of the shaded part.



VF

1b. Find the value of the shaded part.



VF

2a. Match each calculation to the correct answer.

$\frac{1}{7}$ of 77

16

$\frac{1}{8}$ of 128

125

$\frac{1}{4}$ of 500

7

$\frac{1}{9}$ of 63

11



VF

2b. Match each calculation to the correct answer.

$\frac{1}{5}$ of 60

30

$\frac{1}{8}$ of 296

12

$\frac{1}{4}$ of 120

48

$\frac{1}{6}$ of 288

37



VF

3a. Complete each statement using $<$, $>$ or $=$.

$\frac{1}{4}$ of 160

$\frac{1}{9}$ of 270

$\frac{1}{7}$ of 84

$\frac{1}{3}$ of 39



VF

3b. Complete each statement using $<$, $>$ or $=$.

$\frac{1}{9}$ of 54

$\frac{1}{5}$ of 80

$\frac{1}{3}$ of 990

$\frac{1}{10}$ of 900



VF

4a. Complete the following statements.

$\frac{1}{5}$ of 95 =

$\frac{1}{8}$ of 128 =



VF

4b. Complete the following statements.

$\frac{1}{9}$ of 72 =

$\frac{1}{10}$ of 490 =



VF

Fraction of an Amount

Fraction of an Amount

1a. My magazine has 84 pages.
 $\frac{1}{7}$ of the pages of contain adverts.

How many pages of the magazine do NOT contain adverts?



PS



PS

2a. Kian has 80 stickers.

He says,



$\frac{1}{8}$ of the stickers are red
 and $\frac{1}{5}$ are blue. I have
 more red stickers than blue
 stickers.

Is Kian correct? Convince me.



R

2b. Paula has saved £45.

She says,



$\frac{1}{9}$ is for today's lunch and
 $\frac{1}{5}$ is for flowers. I will have
 spent more money on
 lunch than on flowers.

Is Paula correct? Convince me.



R

3a. Use the cards to complete the statement below. Find 2 different solutions.

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

5 1 2 10



PS

3b. Use the cards to complete the statement below. Find 2 different solutions.

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

6 5 30 1



PS

Find Pairs of Values 2

Find Pairs of Values 2

1a. Which pair of values does not satisfy the equation?

$$a \div b = 3$$

$$a = 18$$

$$b = 6$$

$$a = 12$$

$$b = 4$$

$$a = 16$$

$$b = 4$$



VF

1b. Which pair of values does not satisfy the equation?

$$h \times i = 24$$

$$h = 3$$

$$i = 8$$

$$h = 5$$

$$i = 6$$

$$h = 6$$

$$i = 4$$



VF

2a. Use the numbers in the table to find all the possible combinations for the two variables below.

$$a - b = 5$$

12	14	3	7
15	19	10	8



VF

2b. Use the numbers in the table to find all the possible combinations for the two variables below.

$$d + e = 18$$

10	1	12	6
17	8	14	4



VF

3a. Work out the values of b and c .

$$a = 8$$

$$a + b = 17$$

$$c + b = 13$$

$$b = \square \quad c = \square$$



VF

3b. Work out the values of a and c .

$$b = 9$$

$$b \times a = 18$$

$$c - b = 6$$

$$a = \square \quad c = \square$$



VF

4a. List three possible values for a and b , where $c = 18$.

$$2a + b = c$$



VF

4b. List three possible values for c and d , where $e = 12$.

$$c - 2d = e$$



VF

Find Pairs of Values 2

1a. Katya is finding possible values for a and b .

$$2a + b = 18$$



If a equals 7,
 b must equal 5.

Is Katya correct? Explain your answer.



R

Find Pairs of Values 2

1b. Jesse is finding possible values for c and d .

$$2c - d = 12$$



If c equals 10,
 d must equal 2.

Is Jesse correct? Explain your answer.



R

2a. If a is an odd number and b is 2, which of these could be true?

- A. $2a + 2b = 14$
- B. $a \times b = 9$
- C. $2a \times b = 12$
- D. $a + 2b = 9$

Convince me.



R

2b. If a is 5 and b is an even number, which of these could be true?

- A. $a + 2b = 12$
- B. $2a + b = 16$
- C. $2a \times b = 20$
- D. $a + b = 8$

Convince me.



R

3a. Pizza 2 Go sells 2 medium pizzas and one small pizza for £16. What possible prices can you find for each pizza?

$$2m + s = \text{£}16$$

m	s



PS

3b. Happy Hats sell 2 knitted hats and 2 baseball caps for £18. What possible prices can you find for each hat?

$$2k + 2b = \text{£}18$$

k	b



PS