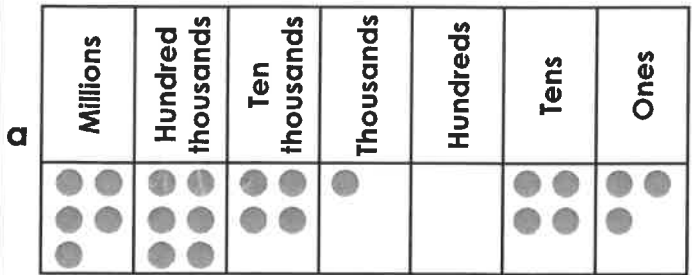
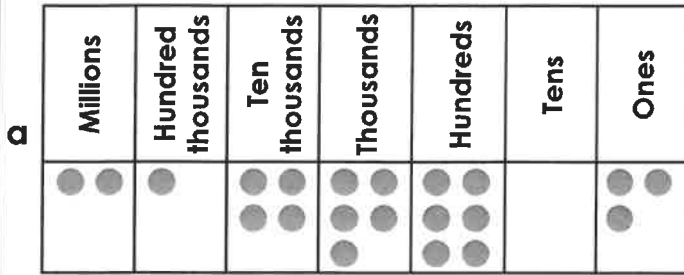


Rounding Numbers

Rounding Numbers

1a. Which two numbers will round to the same value when rounded to the nearest 10,000?

1b. Which two numbers will round to the same value when rounded to the nearest 100,000?



b 2,158,011 c Two million, one hundred and fifty-one thousand, nine hundred

b 5,663,120 c Five million, seven hundred and nineteen thousand, six hundred



VF



VF

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

2b. Which numbers round to 4,500,000 when rounding to the nearest 100,000?

2,565,705 1,625,900
Two million, three hundred and fifty-five thousand, eight hundred and five

4,712,805 4,465,715
Four million, five hundred and two thousand, five hundred and thirty



VF



VF

3a. Tick to show whether the number rounds to 2,900,000 or 3,000,000 to the nearest 100,000.

3b. Tick to show whether the number rounds to 4,900,000 or 5,000,000 to the nearest 10,000.

Number	Rounds to 2,900,000	Rounds to 3,000,000
2,858,790		
3,015,830		
2,945,745		

Number	Rounds to 4,900,000	Rounds to 5,000,000
4,896,344		
4,995,051		
5,003,688		



VF

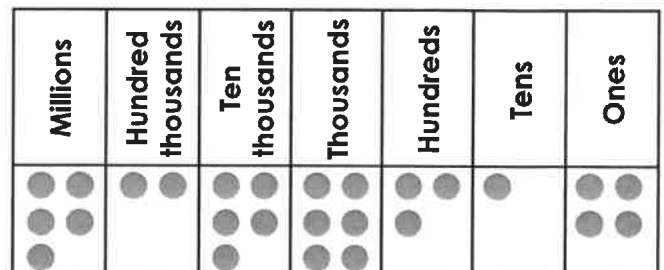


VF

4a. Round the number below to the nearest 10,000, 100,000 and 1,000,000.

4b. Round the number below to the nearest 10,000, 100,000 and 1,000,000.

Two million, seven hundred and five thousand, six hundred and fifty-four.



VF



VF

Rounding Numbers

Rounding Numbers

1a. Which number is the odd one out when rounded to the nearest million and rounded to the nearest hundred thousand? Explain your answers.

Three million, eight hundred and ninety-four thousand, one hundred and seventy

4,492,810

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



R

1b. Which number is the odd one out when rounded to the nearest hundred thousand and rounded to the nearest ten thousand? Explain your answers.

Nine hundred and fifty-one thousand, six hundred and seventeen

947,301

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



R

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

3,502,005

3,415,667

3,495,811

To the nearest hundred thousand, my number rounds to three and a half million.



Jade

To the nearest million, my number rounds to three million.



Maxine

To the nearest ten thousand, my number rounds to three and a half million.



Justin PS



R

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

4,509,012

4,513,433

4,499,785

To the nearest hundred thousand, my number rounds to four and a half million.



Ellis

To the nearest million, my number rounds to five million.



Toni

To the nearest ten thousand, my number rounds to 4,510,000.



Saanvi PS



R

3a. Savanna is rounding numbers. She says,

I think that two million, one hundred and forty five thousand, nine hundred and eighty two rounded to the nearest hundred thousand is 2,150,000.



Is she correct? Explain your answer.



R

3b. Trevon is rounding numbers. He says,

I think that five million, four hundred and ninety five thousand, five hundred and ten rounded to the nearest ten thousand is 5,490,000.



Is he correct? Explain your answer.



R

Fractions to Decimals 1

Fractions to Decimals 1

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

$\frac{30}{40}$ is equivalent to 0. 5

$\frac{3}{100}$ is equivalent to 0.



VF

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

$\frac{3}{5}$ is equivalent to 0.

$\frac{47}{100}$ is equivalent to 0.



VF

2a. True or false?

0.07 is equivalent to $\frac{70}{100}$.



VF

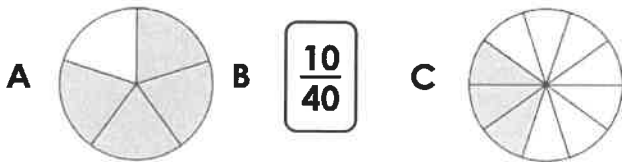
2b. True or false?

0.65 is equivalent to $\frac{65}{100}$.



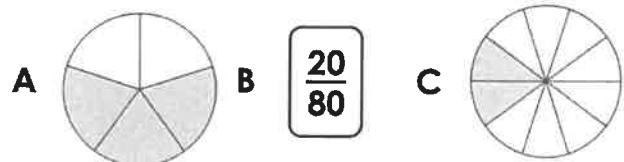
VF

3a. Convert the fractions below to decimals.



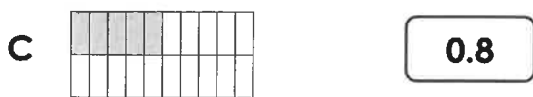
VF

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.

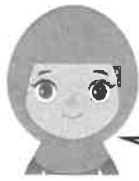


VF

Fractions to Decimals 1

Fractions to Decimals 1

1a. Isabel and Chuan are comparing fractions.



Isabel

I think that 0.7 is greater.



Chuan

I think that $\frac{4}{5}$ is greater.

Who is correct? Explain how you know.



R

1b. Alfie and Scarlett are comparing fractions.



Alfie

I think that 0.2 is greater.



Scarlett

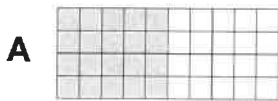
I think that $\frac{2}{5}$ is greater.

Who is correct. Explain how you know



R

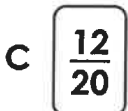
2a. Convert the fractions into decimals and write them in ascending order.



A



B



C

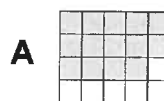


D

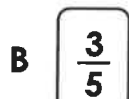


PS

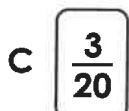
2b. Convert the fractions into decimals and write them in descending order.



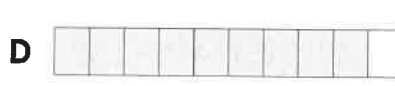
A



B



C



D



PS

3a. I am thinking of a fraction.

- It can be simplified.
- The numerator is more than 16 but less than 24.
- The numerator is a multiple of the denominator.
- The denominator is between 30 and 36.

What is my fraction?

What is this fraction as a decimal?



PS

3b. I am thinking of a fraction.

- It can be simplified.
- When converted to a decimal, it is more than 0.4 but less than 0.7.
- The numerator is a multiple of 6.
- The denominator is a multiple of 5 between 17 and 31.

What is my fraction?

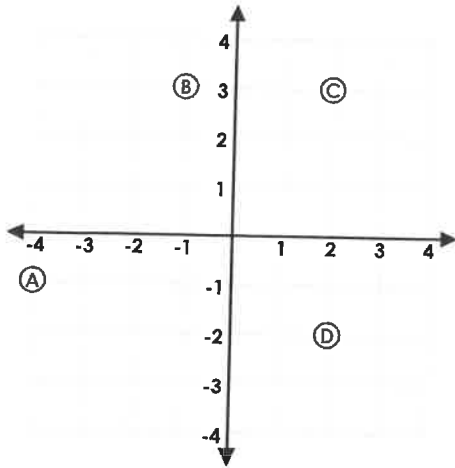
What is this fraction as a decimal?



PS

Four Quadrants

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



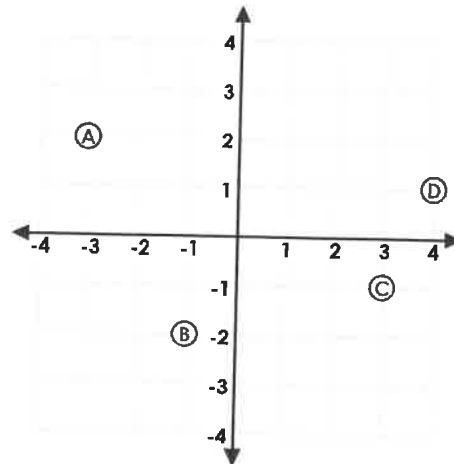
- | |
|----------|
| (2, 3) |
| (2, -2) |
| (-1, 3) |
| (-4, -1) |
| (0, -3) |



VF

Four Quadrants

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

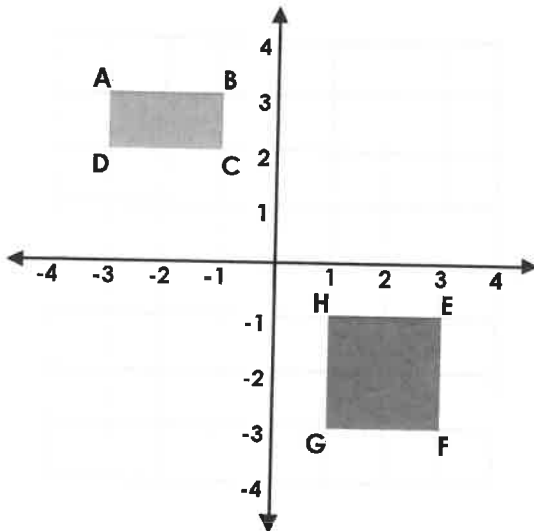


- | |
|----------|
| (-1, -2) |
| (3, -1) |
| (4, 1) |
| (-3, 2) |
| (-2, 4) |



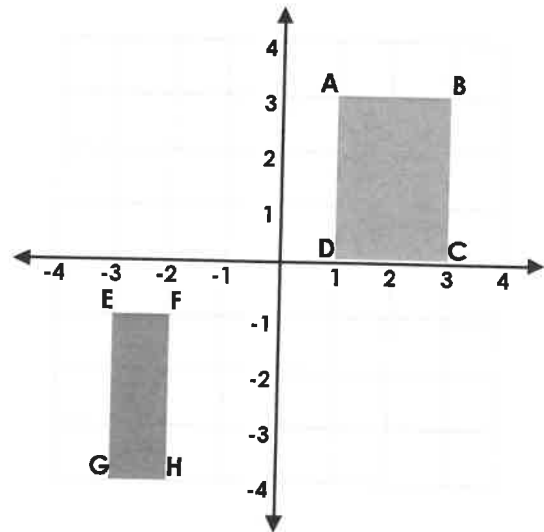
VF

2a. Write the coordinates of each shape.



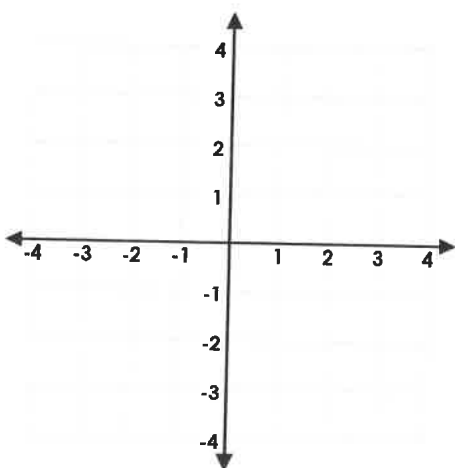
VF

2b. Write the coordinates of each shape.



VF

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

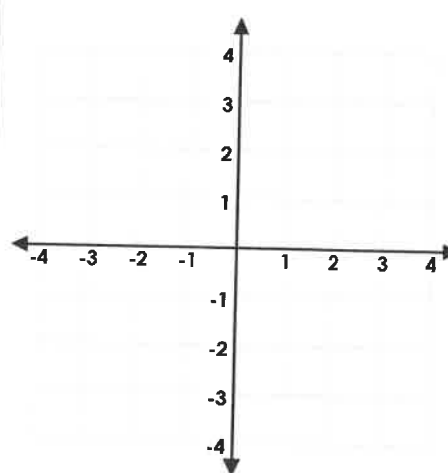


- | |
|---------|
| (0, 1) |
| (-4, 1) |
| (-3, 3) |
| (-1, 3) |
| (1, -1) |
| (4, -1) |
| (0, -3) |
| (3, -3) |



VF

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



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

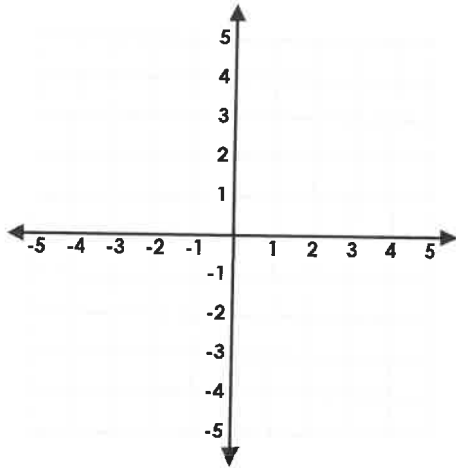


VF

Four Quadrants

1a. Holly thinks that the coordinates below make a parallelogram.

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



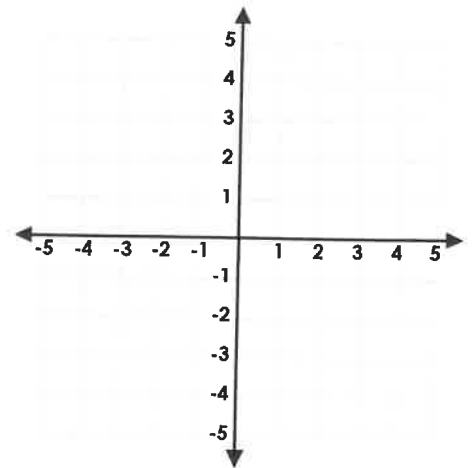
Is she correct? Explain why.

R

Four Quadrants

1b. Max thinks that the coordinates below make a trapezium.

$(-3, 2)$
$(-2, 4)$
$(3, 5)$
$(4, 2)$

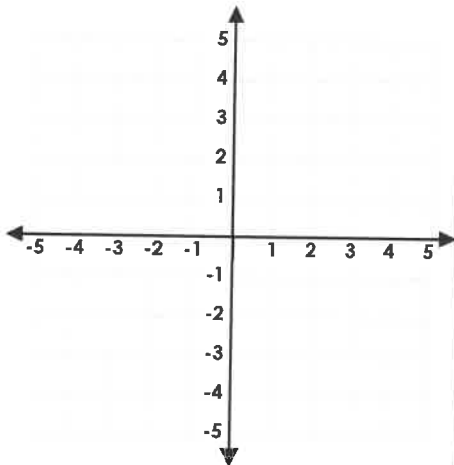


Is he correct? Explain why.

R

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

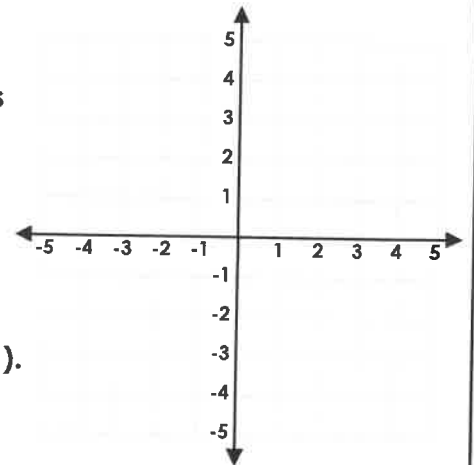
- The shape is a rhombus.
- The shape is in one quadrant.
- One of the points is $(2, -1)$.



PS

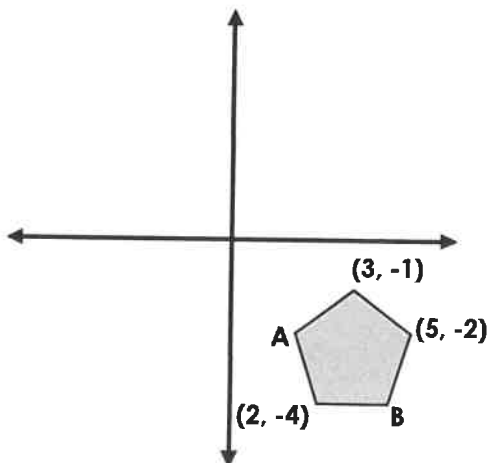
2b. Follow the clues. What could the coordinates of the shape be?

- The shape has only negative coordinates
- The shape is a kite.
- One of the points is $(-3, -1)$.



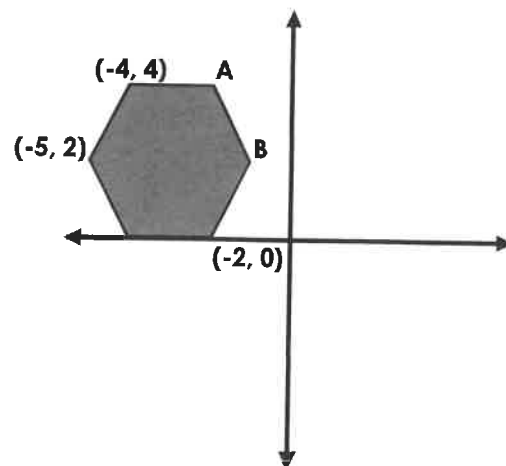
PS

3a. Here is a pentagon with a vertical line of symmetry. Use the given coordinates to find the coordinates of points A and B.



R

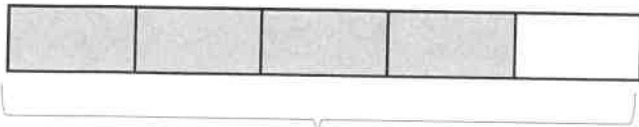
3b. Here is a hexagon with a vertical line of symmetry. Use the given coordinates to find the coordinates of points A, B and C.



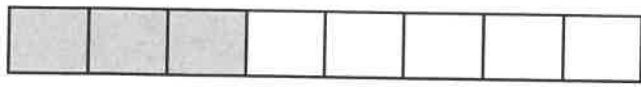
R

Fraction of an Amount

1a. Find the value of the shaded part.



600



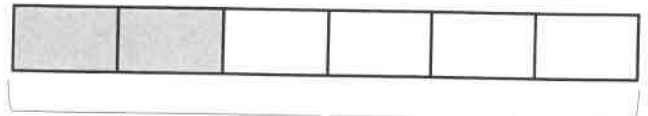
248



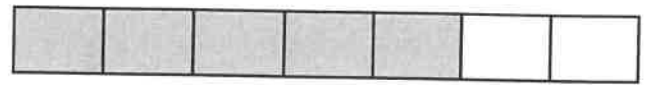
VF

Fraction of an Amount

1b. Find the value of the shaded part.



84



364



VF

2a. Match each calculation to the correct answer.

$\frac{3}{7}$ of 56

77

$\frac{7}{8}$ of 88

51

$\frac{2}{3}$ of 243

24

$\frac{1}{9}$ of 459

162



VF

2b. Match each calculation to the correct answer.

$\frac{2}{9}$ of 639

170

$\frac{5}{8}$ of 72

142

$\frac{1}{12}$ of 276

45

$\frac{5}{6}$ of 204

23



VF

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

$\frac{3}{5}$ of 200

$\frac{5}{9}$ of 198

$\frac{7}{10}$ of 600

$\frac{1}{2}$ of 840



VF

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

$\frac{1}{8}$ of 776

$\frac{3}{6}$ of 264

$\frac{2}{3}$ of 966

$\frac{5}{6}$ of 774



VF

4a. Complete the following statements.

$\frac{8}{11}$ of 121 =

$\frac{3}{5}$ of 180 =



VF

4b. Complete the following statements.

$\frac{7}{9}$ of 216 =

$\frac{3}{5}$ of 475 =



VF

Fraction of an Amount

Fraction of an Amount

1a. A book has 336 pages.
 $\frac{5}{8}$ of the pages of the book contain pictures.

How many pages of the book do NOT contain pictures?



PS

1b. A chef makes 255 pizzas on at a restaurant on Monday. $\frac{2}{5}$ of the pizzas made on Monday are Margheritas.

How many pizzas made on Monday were NOT Margheritas?



PS

2a. Liam and Tia are reading the same book which has 630 pages.

Liam says,



I have read $\frac{5}{9}$ of the book.

Tia says,



I have read $\frac{4}{7}$ of the book.

Who has read the most pages? Convince me.



R

2b. Twins, Amy and Simon, are given £8.40 each.

Amy says,



I have spent $\frac{5}{8}$ of my money.

Simon says,



I have spent $\frac{2}{3}$ of my money.

Who has spent the most money? Convince me.



R

3a. Use the cards to complete the statement below. Each card can only be used once in a statement. Find 2 different solutions.

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

720 5 600 7 840 6



PS

3b. Use the cards to complete the statement below. Each card can only be used once in a statement. Find 2 different solutions.

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

440 6 660 5 550 4



PS

Find Pairs of Values 2

Find Pairs of Values 2

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

$$a \div b = 9$$

$$a = 72$$

$$b = 8$$

$$a = 94$$

$$b = 11$$

$$a = 54$$

$$b = 6$$



VF

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

$$h \times i = 144$$

$$h = 24$$

$$i = 6$$

$$h = 18$$

$$i = 8$$

$$h = 15$$

$$i = 11$$



VF

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

$$x - y = 33$$

72	61	12	56
45	23	28	39



VF

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

$$j + k = 41$$

9	23	13	16
28	18	25	32



VF

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

$$a = 12$$

$$a + b = 20$$

$$c + b = 35$$

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



VF

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

$$b = 4$$

$$b \times a = 32$$

$$c - b = 23$$

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



VF

4a. List three possible values for a and b , where $c = 75$.

$$5a + b = c$$



VF

4b. List three possible values for c and d , where $e = 56$.

$$3c - d = e$$



VF

Find Pairs of Values 2

1a. Vivian is finding possible values for h and i .

$$5h + 3i = 50$$



If h equals 7,
 i must equal 15.

Is Vivian correct? Explain your answer.



R

Find Pairs of Values 2

1b. Ralph is finding possible values for x and y .

$$2x + 5y = 40$$



If x equals 15,
 y must equal 10.

Is Ralph correct? Explain your answer.



R

2a. If a is an odd number and b is 25, which of these could be true?

- A. $2a + 3b = 105$
- B. $a + a - 4b = 4$
- C. $4a \div 4b = 20$
- D. $3a + 3b = 96$

Convince me.



R

2b. If a is an even number and b is 4, which of these could be true?

- A. $5a + b = 15$
- B. $3a + 3b = 42$
- C. $2a + 5b = 36$
- D. $2a \times b = 48$

Convince me.



R

3a. Coats 'r' Us sell 2 medium coats and 4 small coats for £100. What possible prices can you find for each coat?

$$2m + 4s = \text{£}100$$

m	s



PS



PS

3b. Yum Wings sell 4 small chicken dippers and 2 large chicken buckets for £80. What possible prices can you find for each meal?

$$4s + 2l = \text{£}80$$

s	l