

Friday (hard) – LO: to find pairs of values.

Varied fluency

Reasoning and problem solving

9a. Match the pairs of numbers to the equations.

$-18 + 31$	$c - d = 11.1$
$23.2 - 12.1$	$c + d = 13$
$49 \div 7$	$c \div d = 7$
$31.4 - 12.5$	$c - d = 18.9$

★ VF

10a. True or false?

$$r + s = 11$$

$r = -2, s = 13$

★ VF

11a. Which of the options fit the equation?

$n \times m = 10$

A.  $n = 0.25$      $m = 40$   
 B.  $n = 84$      $m = 73$   
 C.  $n = \frac{3}{4}$      $m = 12$   
 D.  $n = 2.5$      $m = 4$

★ VF

12a. Find three possible variables for x and y.

$$5x \div y = 2$$

Both values are 10 or less.

★ VF

7b. Guy writes the following equation:

$$7a + b = 44$$

He writes three possible pairs in his book:

A.  $a = 4, b = 16$   
 B.  $a = 3, b = 21$   
 C.  $a = 6, b = 2$

Which is the odd one out? Explain your answer.

★ R

8b. What pair of values have been used in the following equations if the values are always the same?


$a + b$	=	$12\frac{3}{4}$
$a \times b$	=	9
$a \div b$	=	16
$a - b$	=	$11\frac{1}{4}$

★ PS

9b. Kirsty is finding pairs for the equation below.

$$a \div b = 19.5$$

She says,



Value b must be an odd number because the answer is a decimal.

Is Kirsty correct? Explain why.

★ R