

# DECIMAL ARITHMETIC

CONTENT DOMAIN REFERENCES:

F9, F10

# KS2 SATS

PRACTICE QUESTIONS BY TOPIC

1  $6.1 + 0.3 =$

[2016S]

[1 mark]

2  $2.5 + 0.05 =$

[2016S]

[1 mark]

3

Circle two numbers that add together to equal 0.25

[2016]

0.05

0.23

0.2

0.5

[1 mark]

4

$$4 - 1.15 =$$

[2016]

A large rectangular grid divided into 10 columns and 10 rows of smaller squares, intended for working out the subtraction problem  $4 - 1.15$ .

[1 mark]

5

Circle **two** numbers which **add** to make **0.12**

[2000]

0.1    0.5    0.05    0.7    0.07    0.2

[1 mark]

6

$$9 - 3.45 =$$

[2017]

A large rectangular grid divided into 10 columns and 10 rows of smaller squares, intended for working out the subtraction problem  $9 - 3.45$ .

[1 mark]

7

Circle two decimals that have a difference of 0.5

[2009]



0.2    0.25    0.4    0.45    0.6    0.75

[1 mark]

8

Two decimal numbers add together to equal 1

[2016S]

One of the numbers is 0.007

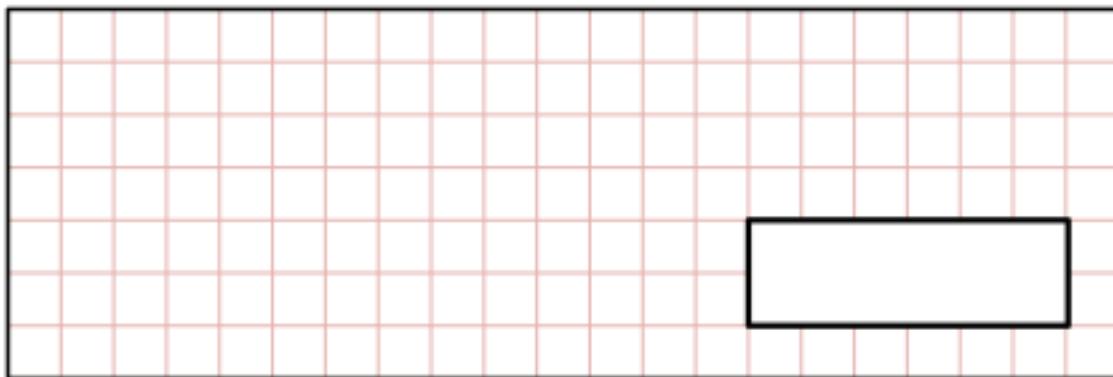
What is the other number?

[1 mark]

9

$$15.4 - 8.88 =$$

[2016S]



[1 mark]

10

Jacob cuts 4 metres of ribbon into **three** pieces.

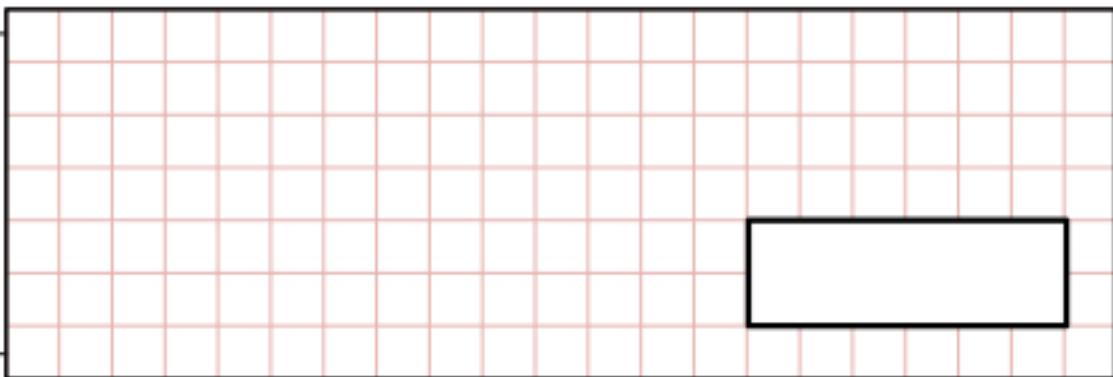
[2016]

The length of the first piece is **1.28** metres.

The length of the second piece is **1.65** metres.

Work out the length of the third piece.

Show your method



[2 marks]

**11**

$$3.005 + 6.12 =$$

[2016]

A large rectangular grid divided into 10 columns and 10 rows by red lines. A smaller rectangular box with a black border is positioned in the bottom right corner of the grid.

[1 mark]

**12**

$$2.7 + 3.014 =$$

[2017]

A large rectangular grid divided into 10 columns and 10 rows by red lines. A smaller rectangular box with a black border is positioned in the bottom right corner of the grid.

[1 mark]

**13**

$$15.98 + 26.314 =$$

[2016]

A large rectangular grid divided into 10 columns and 10 rows by red lines. A smaller rectangular box with a black border is positioned in the bottom right corner of the grid.

[1 mark]

14

$$125.48 - 72.3 =$$

[2016]

[1 mark]

15

Circle the two decimals which are **closest in value** to each other.

[2002]

0.9      0.09      0.99      0.1      0.01

[1 mark]

16

$$37.8 - 14.671 =$$

[2017]

[1 mark]

17

Write in the missing number.

[2015]



$$8.5 + 14.7 = 10.2 +$$

[1 mark]

18

Alfie says,

[2015]



**'When you multiply two numbers together, the answer is always greater than either of the numbers you started with.'**

Is Alfie correct?  
Circle Yes or No.



Yes / No

Explain how you know.

A large, irregularly shaped cloud-like outline designed for handwriting practice.

[1 mark]

19

$$1.28 \times 100 =$$

[2016S]

A rectangular grid divided into 10 columns and 10 rows by red lines. In the bottom right corner of the grid, there is a smaller, separate rectangular box with a black border, likely intended for the student's answer.

[1 mark]

20

$$0.04 \div 10 =$$

[2017]

[1 mark]

21

$$0.9 \times 200 =$$

[2017]

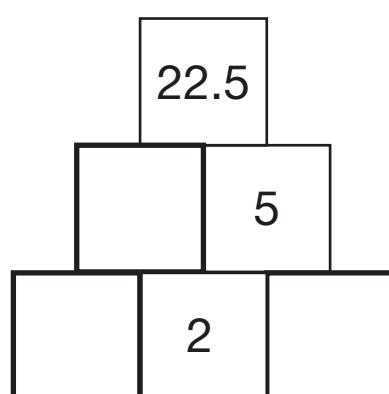
[1 mark]

22

The number in a box is the **product** of the two numbers below it.

[2016S]

Write the missing numbers.



[2 marks]

23

$$0.9 \div 10 =$$

[2016]

[1 mark]

24

$$15 \times 6.1 =$$

[2016]

[1 mark]

25

$$1.52 \times 6 =$$

[2016S]

[1 mark]

26

Write two decimals, each less than 1, which multiply to make 0.1

[2001]

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = 0.1$$

[1 mark]