

Calculations – 2024 Checkpoint Primary Math**1. 2024/Paper 1_stage 5/No.1**

Calculate.

$$\begin{array}{r} 237 \\ + 654 \\ \hline 891 \end{array}$$

891

$$\begin{array}{r} 1508 \\ - 316 \\ \hline 1192 \end{array}$$

1192

[2]

2. 2024/Paper 1_stage 5/No.4

Write a different number in each box to complete the statements.

$$\begin{array}{r} 0.45 \\ - 0.4 \\ \hline 0.05 \end{array}$$

$$0.45 = 0.4 + \boxed{0.05}$$

$$\begin{array}{r} 0.45 \\ - 0.3 \\ \hline 0.15 \end{array}$$

$$0.45 = 0.3 + \boxed{0.15}$$

[1]

3. 2024/Paper 1_stage 5/No.5

Calculate.

$$\begin{aligned}
 & 6.3 \div 10 \\
 &= \frac{63}{10} \div 10 \\
 &= \frac{63}{10} \times (\text{reciprocal of } 10)
 \end{aligned}$$

$$\begin{aligned}
 &= \frac{63}{10} \times \frac{1}{10} = \frac{63}{100} \\
 &= 0.63
 \end{aligned}$$

..... 0.63 [1]

4. 2024/Paper 1_stage 5/No.8

Draw a line to match each calculation to the correct answer.

$$\begin{aligned}
 & \frac{2}{3} \times 15 \\
 &= 10
 \end{aligned}$$

$$\frac{2}{3} \text{ of } 15$$

$$\begin{aligned}
 & \frac{4}{5} \times 10 \\
 &= 8
 \end{aligned}$$

$$\frac{4}{5} \text{ of } 10$$

6

7

8

9

10

[1]

5. 2024/Paper 1_stage 5/No.15

Write a number in each box to make the calculation correct.

$$3 \times 5 \times 7 = \boxed{15} \times \boxed{7}$$

$$3 \times \overset{\text{or}}{35}$$

$$5 \times \overset{\text{or}}{21}$$

[1]

6. 2024/Paper 1_stage 5/No.17

Write the **smallest** number that can be subtracted from 316 to give a 2-digit answer.

The smallest number gives the largest 2 digit answer (= 99)

$$\begin{array}{r} 316 \\ - 99 \\ \hline 217 \end{array}$$

$$\dots\dots\dots 217 \quad [1]$$

7. 2024/Paper 1_stage 5/No.31

Write the correct number in the box.

$$\boxed{1000} \times 1000 = 1000000$$

$$\begin{array}{r} 1000000 \\ \hline 1000 \end{array}$$

[1]

8. 2024/Paper 1_stage 5/No.34

Youssef, Mike and Oliver each throw a ball.

Youssef's longest throw is 16.37 metres.

Mike's longest throw is 2.64 metres longer than Youssef's.

Oliver's longest throw is 4.36 metres shorter than Mike's.

Calculate the length of Oliver's longest throw.

$$\text{Mike's longest throw} = 16.37 + 2.64$$

$$\begin{array}{r} 16.37 \\ + 2.64 \\ \hline 19.01 \end{array} = 19.01 \text{ m}$$

$$\text{Oliver's longest throw} = 19.01 - 4.36$$

$$\begin{array}{r} 19.01 \\ - 4.36 \\ \hline 14.65 \end{array}$$

$$= 14.65 \text{ m}$$

$$\dots\dots\dots 14.65 \text{ metres [1]}$$

9. 2024/Paper 2_stage 5/No.15

Write a number in the box to make the statement correct.

BODMAS

$$8 + 3.5 \times \boxed{12} = 50$$

$$8 + 3.5 \times x = 50$$

$$8 + 3.5x = 50$$

$$3.5x = 50 - 8$$

$$3.5x = 42$$

$$\frac{35}{10} x = 42$$

$$x = \frac{42 \times 10}{35}$$

$$x = 6 \times 2$$

$$x = 12$$

[1]

10. 2024/Paper 2_stage 5/No.22

Ahmed and Yuri have some pencils.
 Ahmed has **more** pencils than Yuri.
 Yuri has an **even** number of pencils.

The number of pencils Ahmed has is represented by



The number of pencils Yuri has is represented by



+ is greater than 60

If is 45 write **two** possible values for



(even) (less than 45)

Even numbers between 16 and 44

.....16..... or 18..... [1]

11. 2024/Paper 2_stage 5/No.23

Samira thinks of a number.
 She squares her number and subtracts 12
 Her answer is 37

Write the number Samira thinks of.

Let the number = x

$$x^2 - 12 = 37$$

$$x^2 = 37 + 12$$

$$x^2 = 49$$

$$x = \sqrt{49}$$

$$\therefore x = 7$$

.....7..... [1]

12. 2024/Paper 2_stage 5/No.33

A number is represented by $\triangle$

$\triangle + 7$ is greater than 30

$\triangle - 7$ is less than 20

Write **all** the possible values for $\triangle$

24, 25, 26

[1]

$$\triangle + 7 > 30$$

$$\triangle > 30 - 7$$

$$\triangle > 23$$

$$\triangle - 7 < 20$$

$$\triangle < 20 + 7$$

$$\triangle < 27$$

$$\therefore 23 < \triangle < 27$$

$\therefore$ Possible values of $\triangle$ are 24, 25, 26