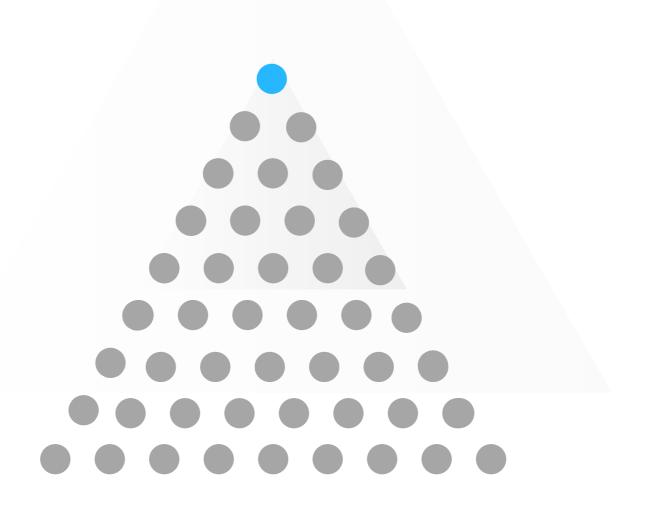
CLASS 7 MATHEMATICS

PAPER ID: 7M23



QUESTIONS: 30

DURATION: 45 MINS

Joshua has a triangular flower bed in his garden. The triangle is right-angled with a base of 8 m and a height of 6 m.

What is the area of the flower bed?

A. 48 m² **B**. 14 m² **C**. 24 m² **D**. 26 m²

$$11jk + 8k^2 - ___ - 10k^2 = 6jk - 2k^2$$

Which of the following completes the sentence?

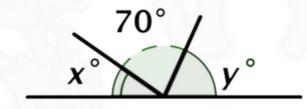
A. 5jk

B. 6jk

C. 9k2

D. 8k²

What are possible values for x and y?



A. 50 & 70

B. 70 & 60

C. 30 & 80

D. 40 & 50

In the equation x + 4 = 10, x is an unknown number. However, in the equation y = x + 4, x is a variable because x and y are related to each other.

In which of these equations is x a variable?

$$3 + x = 7$$

р

q

r

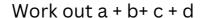
S

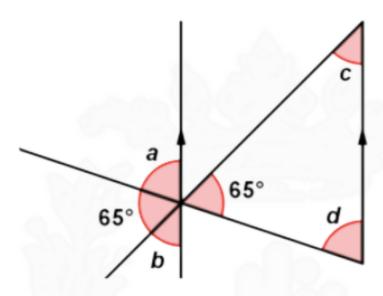
A. p & q

B. q & r

C. r & s

D. None





A. 270°

B. 135°

C. 280°

D. 360°

Kartik added two integers and found that their sum is LESS than each of these integers.

Which of these is TRUE about the two integers?

- A. One of the integers is 0.
- **B**. Both of them are negative integers.
- **C**. One is positive and the other a negative integer.
- D. None of the above

For any number y.

5y is the same as

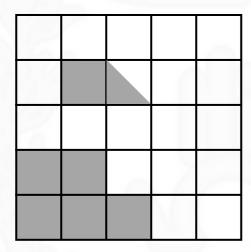
- **A**. 5 + y
- **B**. y x y x y x y x y
- **C**. y⁵
- **D**. y + y + y + y + y

Which of these is the GREATEST?

200% of 20 20% of 200 2% of 2000 p q r

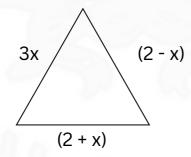
- **A**. p
- **B**. q
- **C**. r
- **D**. All of these

What decimal fraction of the figure below is shaded?



- **A**. 0.65
- **B**. 0.065
- **C**. 3.84
- **D**. 0.26

The length of the sides of a triangle are 3x units, (2-x) units and (x+2) units.



Calculate the perimeter of the triangle

A. 5x + 4 units

B. x + 7 units

C. 3x + 4 units

D. 3x units.

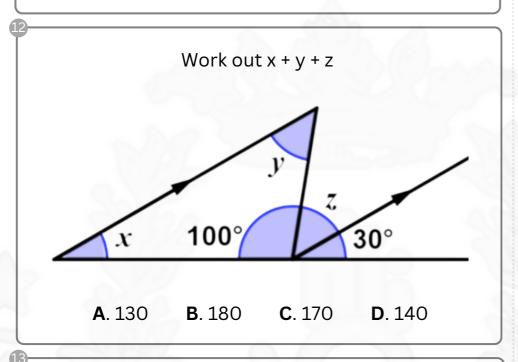
1.58 % = ?

A. 1.58

B. 0.158

C. 0.0158

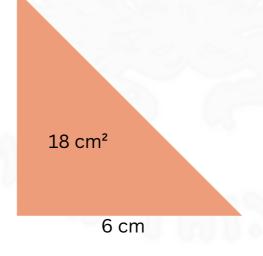
D. 0.00158



The area of a triangle is 18 cm²?

The base of the triangle is 6 cm.

Calculate the height of the triangle.



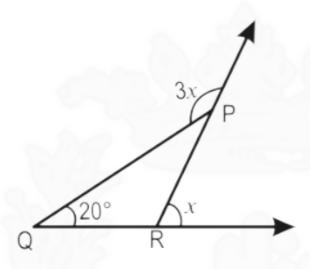
A. 3 cm

B. 4 cm

C. 5 cm

D. 6 cm

The triangle PQR's sides QR and RP are stretched in the visual below. What is the angle with the x marked in degrees?



- **A**. 30°
- **B**. 40°
- **C**. 50°
- **D**. 60°

Which of these is the same as $\{(-889) \times 74\} + \{(-889) \times 9\}$?

D.
$$(-889) \times 74 \times 9$$

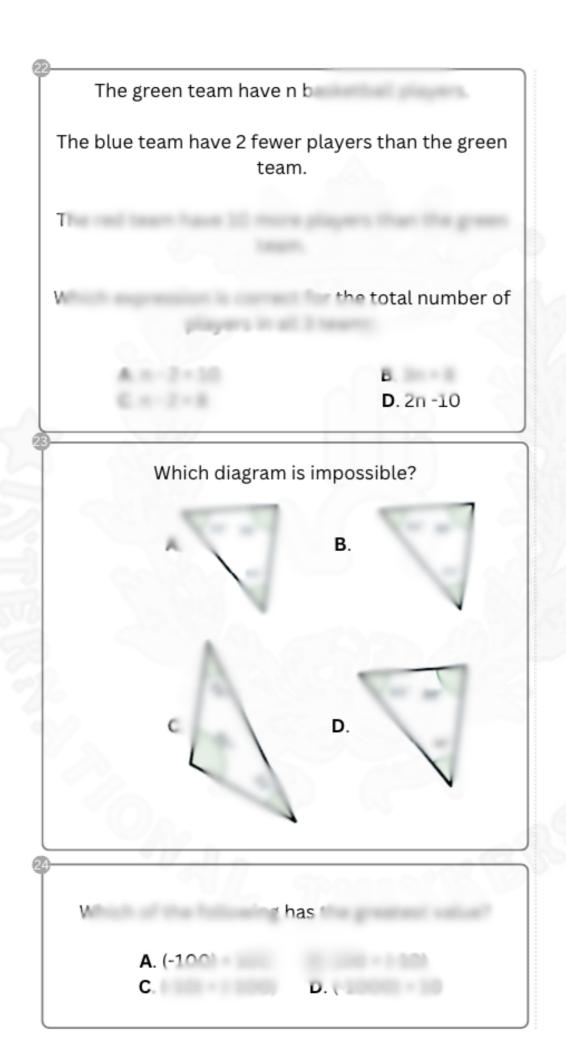
ind values would 158 85 x 48.9 be closest to if 1.58 - /./o ?

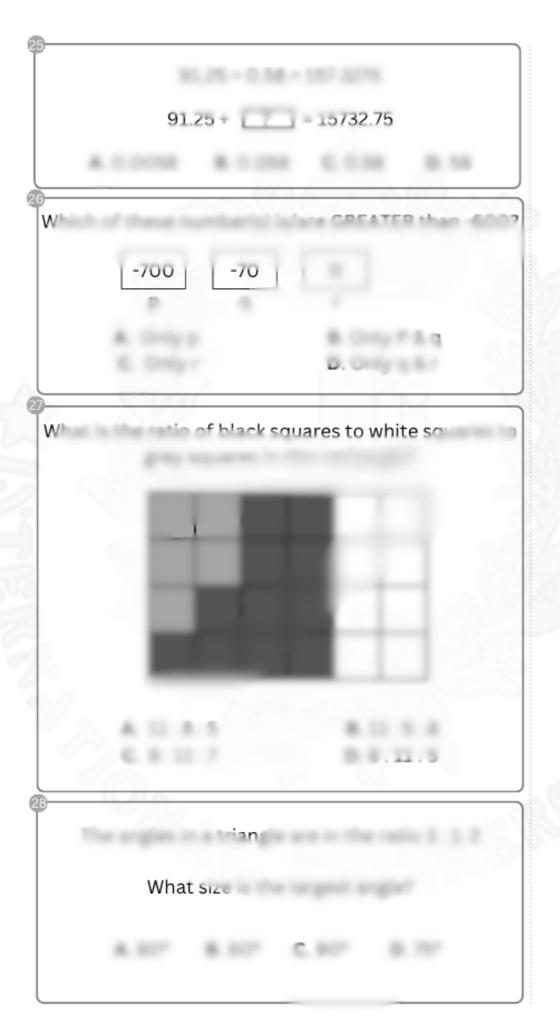
A 780

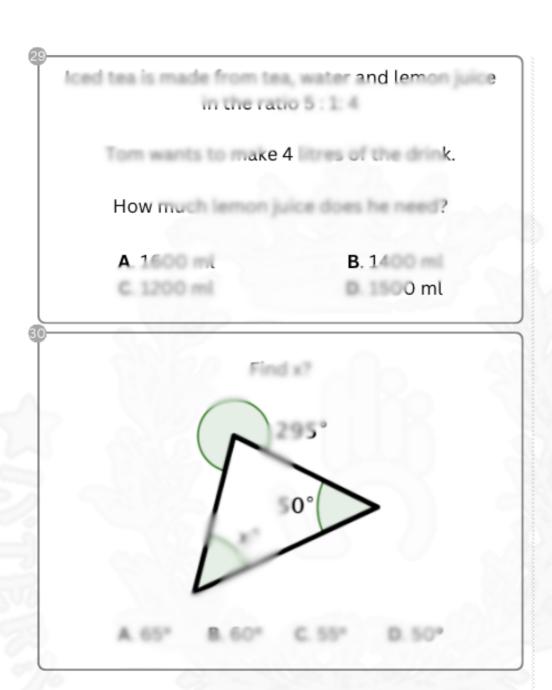
- B. 7 0
- D 7000

Which of the numbers has a

```
ion 2xy - 8y + _____a
       A. 2y
              B. -0
 In ssroom, the
        tud
                          , s, and C.
    Group
    Grounsisu f the students.
    The of the students a C.
A lar gar
  leng
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       de
                   sion of a
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------ End of the question paper ------Use it for Rough Work This page doesn't contain any questions.

Use it for Rough Work



Until you receive your iThinkersOlympiad results, kindly hold onto the question paper as it will be essential for a complete understanding of your results.



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MATHS

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CLASS 7