

40 LIKELY NCEE MATHEMATICS QUESTION

1. What is the value of $8 + 4 \times 2$?

$$8 + 8 = 16$$

- . A. 16
- . B. 20
- . C. 12
- . D. 10
- . E. 14

2. What is the LCM of 12 and 18?

- . A. 36
- . B. 24
- . C. 54
- . D. 48
- . E. 72

$$\begin{array}{r|rr} 2 & 12 & 18 \\ \hline 2 & 6 & 9 \\ \hline 3 & 3 & 9 \\ \hline 3 & 1 & 3 \\ \hline & 1 & 1 \end{array}$$

$2 \times 2 \times 3 \times 3$
 $4 \times 9 = 36$

3. Find the value of x in the equation $3x - 5 = 16$.

. A. 7

. B. 5

. C. 8

. D. 9

. E. 6

$$3x - 5 = 16$$

Add 5 to both sides

$$3x - 5 + 5 = 16 + 5$$

$$3x = 21$$

divide both side by 3

$$\frac{3x}{3} = \frac{21}{3}$$

$$x = 7$$

4. What is the area of a rectangle with length 10cm and width 5cm?

- . A. 50 cm^2
- . B. 25 cm^2
- . C. 15 cm^2
- . D. 20 cm^2
- . E. 30 cm^2



$$\begin{aligned} \text{Area} &= L \times B \\ &= 10 \times 5 = 50 \text{ cm}^2 \end{aligned}$$

5. Simplify#. $6 + 2 \times (5 - 3)$

. A. 10

. B. 14

. C. 16

. D. 12

. E. 8

$$6 + 2 \times (5 - 3)$$

$$6 + 2 \times 2$$

$$6 + 4 = 10$$

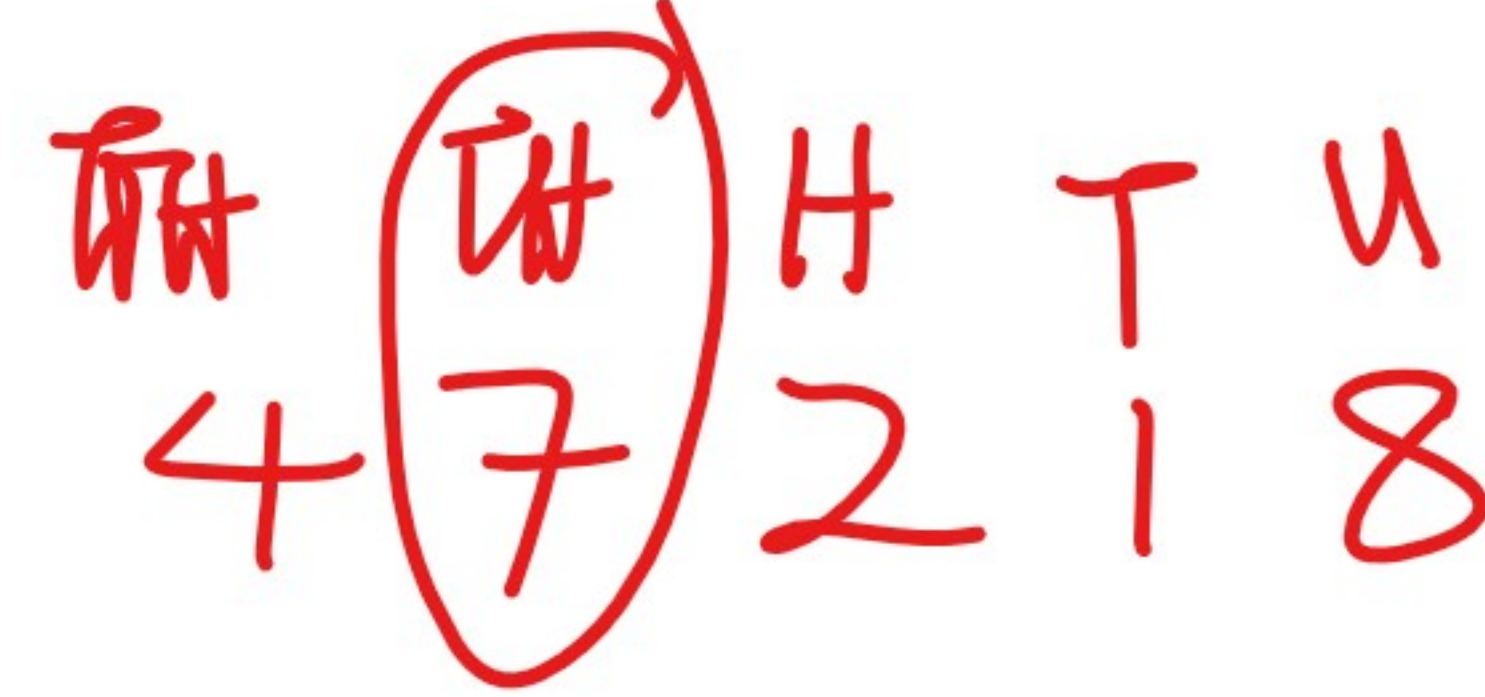
6. Find the HCF of 24 and 36.

- . A. 6
- . B. 8
- . C. 12
- . D. 4
- . E. 18

$$\begin{array}{r|rr} 2 & 24 & 36 \\ \hline 2 & 12 & 18 \\ \hline 3 & 6 & 9 \\ \hline & 2 & 3 \end{array}$$

HCF = $2 \times 2 \times 3$
 $24 \times 3 = 12$

7. What is the place value of 7 in the number 47,218?



- A. Hundreds
- B. Thousands
- C. Tens
- D. Ten thousands

8. Simplify: $36 \div 6 + 4$

A. 6

B. 10

C. 12

D. 24

BODMAS

$$36 \div 6 + 4$$

$$\frac{36}{6} = 6 + 4 = 10$$

9. Write 405 in words.
- A. Four hundred and five
 - B. Four hundred five
 - C. Four zero five
 - D. Forty-five

H T U
4 0 5

10. What is the LCM of 4 and 6?

- A. 8
- B. 10
- C. 12
- D. 24

$$\begin{aligned}4 &= 2 \times 2 \\6 &= 2 \times 3 \\2 \times 2 \times 3 &= 12\end{aligned}$$

11. Find the value of: $15 - 9 + 4$

- A. 2
- B. 10
- C. 8
- D. 18

BODMAS

$$15 - 9 + 4$$

$$15 - 13 = 2$$

12. Which of the following is an odd number?

- A. 24 $\frac{24}{2} = 12$ (even)
- B. 18 $\frac{18}{2} = 9$ (even)
- C. 32 $\frac{32}{2} = 16$ (even)
- D. 27 $\frac{27}{2} = 13\frac{1}{2}$ (odd)

13. Convert $\frac{1}{2}$ to a decimal.

A. 0.2

B. 0.25

C. 0.5

D. 2.0

$$\frac{1}{2} = 2 \overline{)0.50}$$
$$\frac{1}{2} = 0.5$$

14. What is the **sum** of the first five counting numbers?

A. 10

B. 12

C. 15

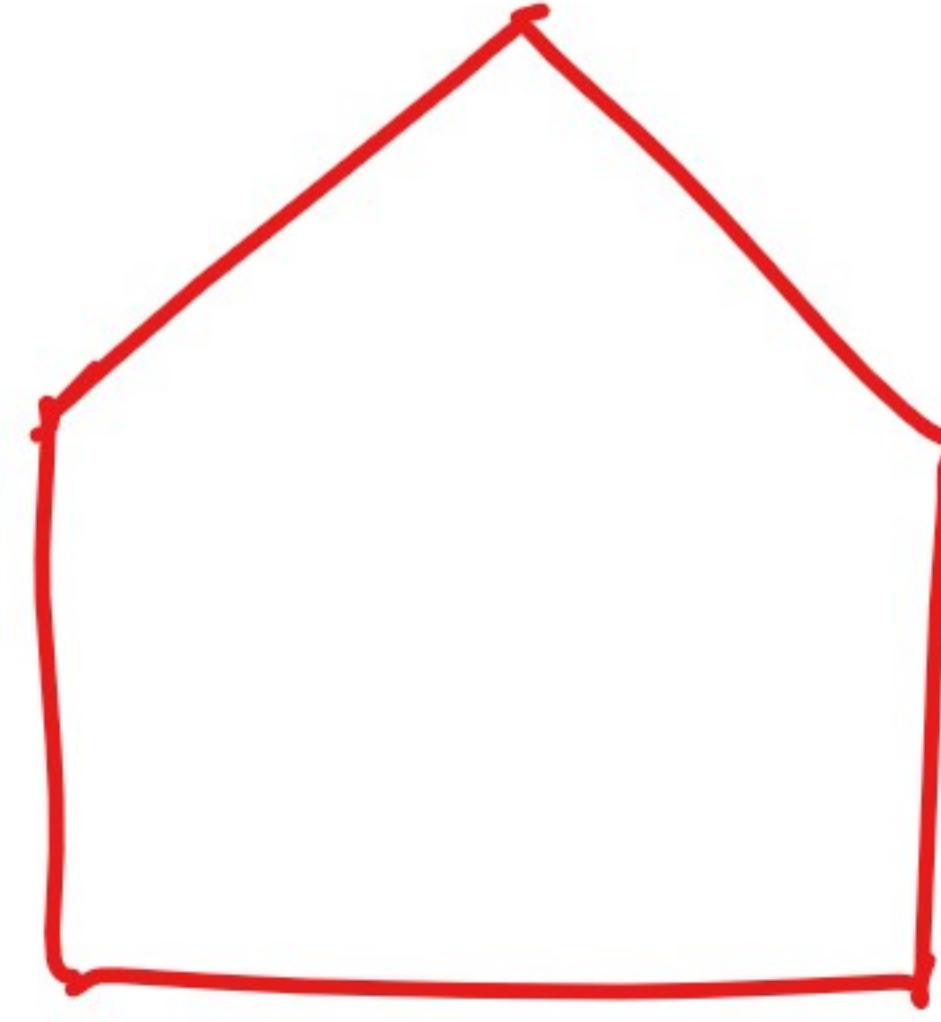
D. 20

1, 2, 3, 4, 5

$$1 + 2 + 3 + 4 + 5 = 15$$

15. How many sides does a pentagon have?

- A. 4
- B. 5
- C. 6
- D. 7



16. Simplify: $3 \times (4 + 2)$

A. 18

B. 12

C. 10

D. 24

$$3 \times (4 + 2)$$

$$3 \times 6 = 18$$

17. What is $\frac{1}{3}$ of 60?

- A. 10
- B. 15
- C. 20
- D. 30

$$\frac{1}{3} \text{ of } 60 = \frac{1}{3} \times \frac{60}{1} = 20$$

18. Which number comes next in the sequence?

2, 4, 6, 8, 10

A. 9

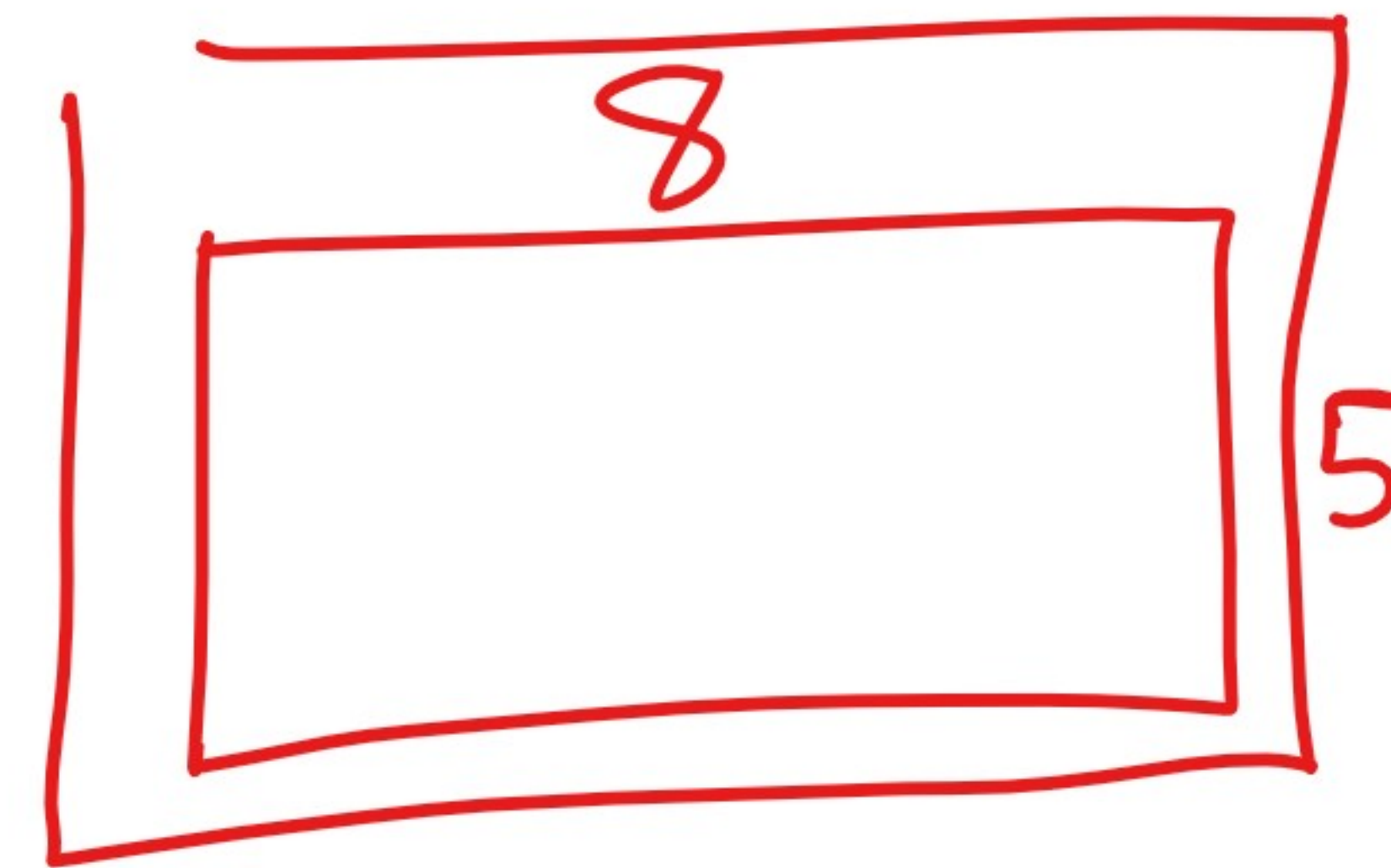
B. 10

C. 12

D. 14

19. A rectangle has a length of 8 cm and a width of 5 cm. What is its perimeter?

- A. 13 cm
- B. 26 cm
- C. 40 cm
- D. 16 cm



$$\begin{aligned} \text{Perimeter} &= L + B + L + B && 2L + 2B \\ &= 8 + 5 + 8 + 5 && 2(L + B) \\ &= 13 + 13 = 26 \text{ cm} && 2(8 + 5) \\ &&& 2(13) = 26 \text{ cm} \end{aligned}$$

20. Which of the following is the smallest number?

- A. 0.5
- B. $\frac{1}{2} = 0.5$
- C. 0.25 ✓
- D. $\frac{3}{4} = 0.75$
- $\frac{1}{2} = 2 \overline{) 10} \begin{array}{r} 0.5 \\ 10 \\ \hline \end{array}$
- $\frac{3}{4} = 4 \overline{) 30} \begin{array}{r} 0.75 \\ 28 \\ \hline 20 \end{array}$

21. Find the product of 7 and 9.

A. 56

B. 63

C. 72

D. 79

$$7 \times 9 = 63$$

22. How many minutes make 1 hour?

A. 30

B. 45

C. 60 ✓

D. 90

60 mins — 1 hrs

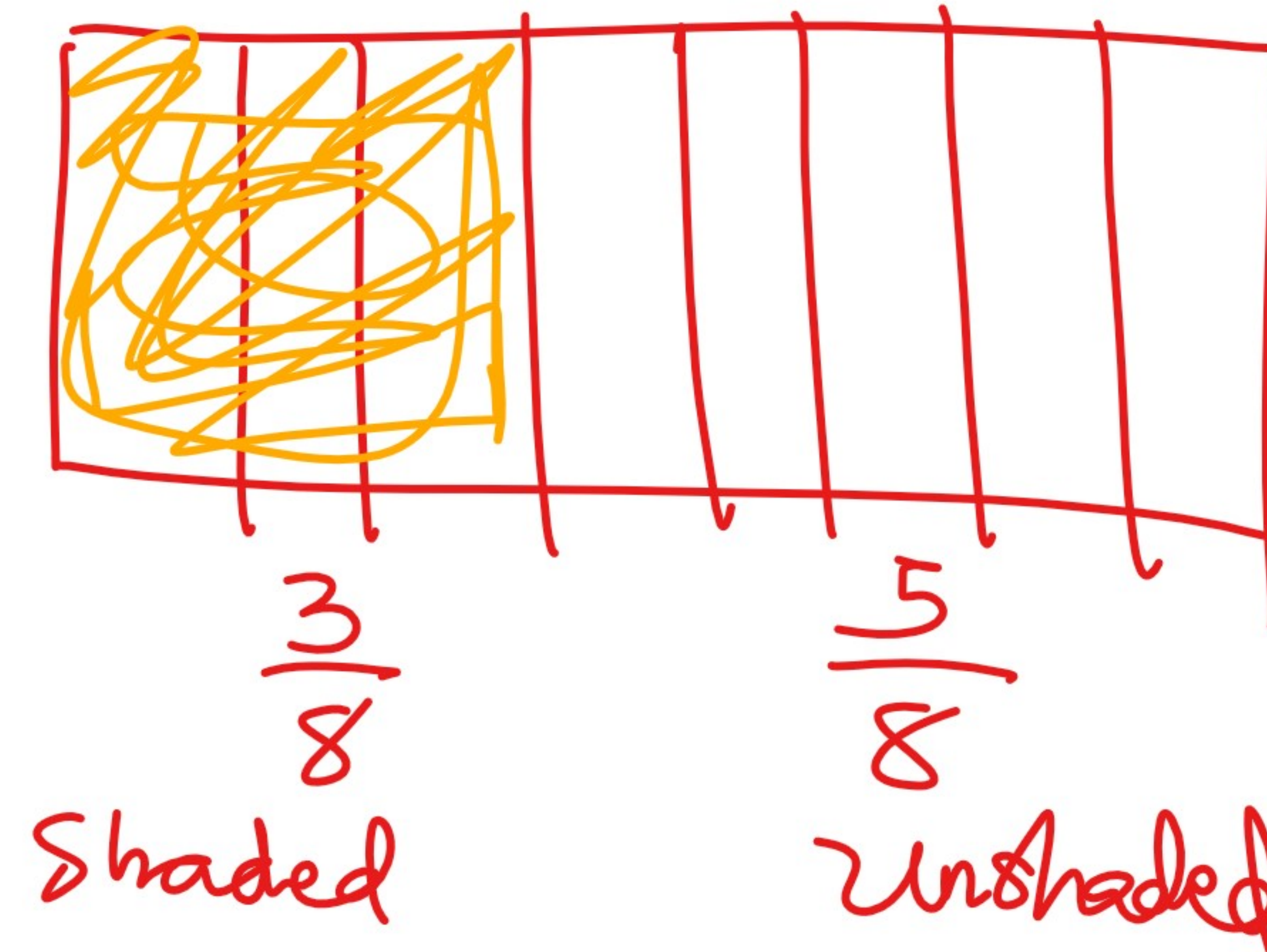
60 secs — 1 min

24 hrs — 1 day

7 day — 1 week

23. What fraction of the shape is shaded if 3 out of 8 parts are shaded?

- A. $\frac{3}{8}$
- B. $\frac{5}{8}$
- C. $\frac{1}{3}$
- D. $\frac{1}{8}$



24. What is the value of $1000 - 456$?

A. 444

B. 544

C. 554

D. 654

$$\begin{array}{r} 1000 \\ - 456 \\ \hline 544 \end{array}$$

25. Which of the following numbers is a prime number?

A. 21 = 1, 3, 7, 21 (Not a prime number)

B. 25 = 1, 5, 25 (Not a prime number)

C. 29 = 1, 29 (Prime Number)

D. 35 = 1, 5, 7, 35 (Not a prime number)

26. Round 473 to the nearest hundred.

A. 400

B. 450

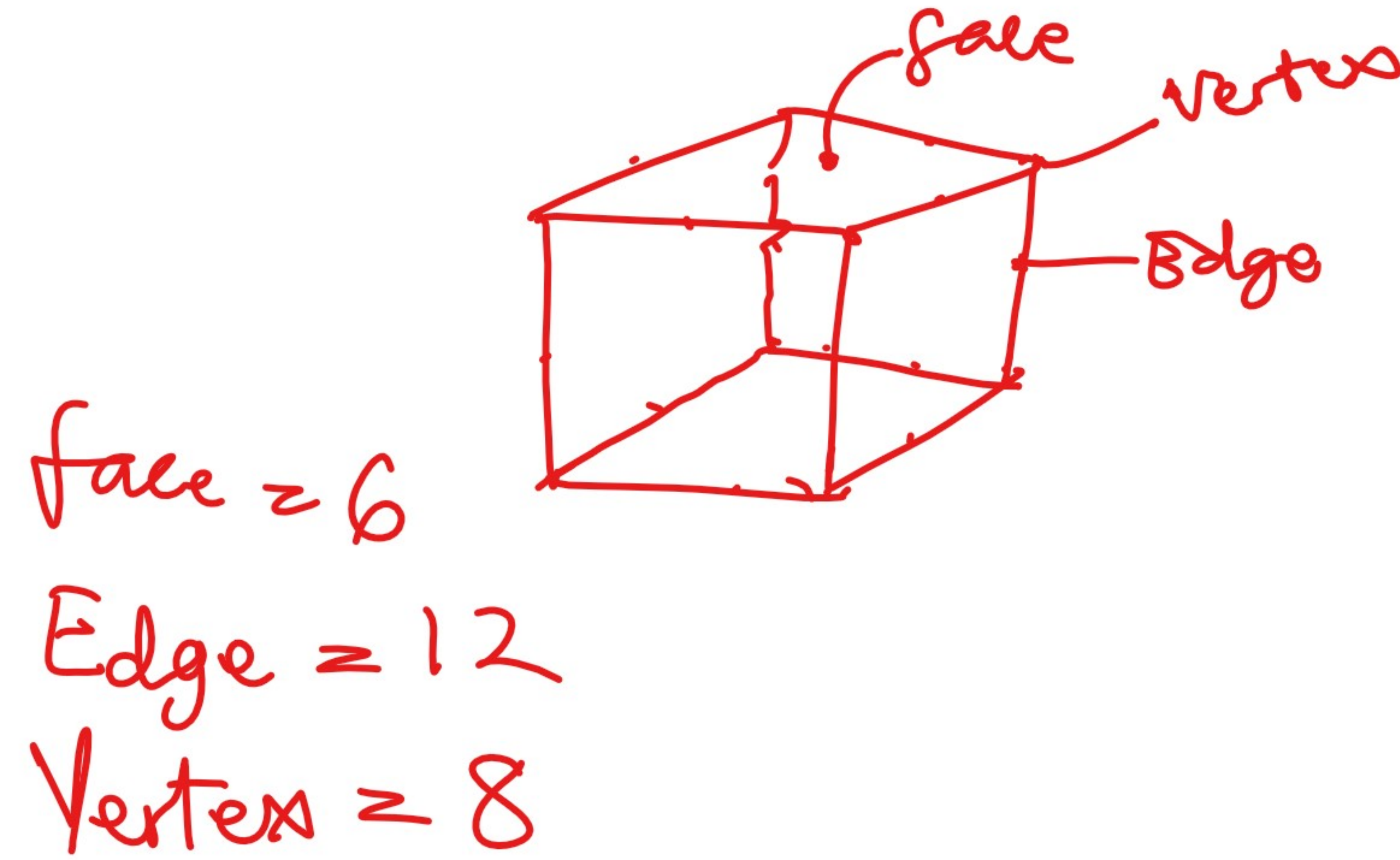
C. 470

D. 500

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{u} \\ 4 \quad \boxed{7} \quad 3 \\ 500 \end{array} \quad \begin{array}{l} 0-4 = 0 \\ 5-9 = 1 \end{array}$$

27. How many faces does a cube have?

- A. 4
- B. 6 ✓
- C. 8
- D. 12



28. If a book costs ₦250, how much will 4 books cost?

A. ₦750

B. ₦900

C. ₦1,000

D. ₦1,250

$$1 \text{ book} = 250$$

$$4 \text{ books} = 250 \times 4$$

$$1000$$

29. Find the missing number:

$$9 \times \underline{8} = 72$$

A. 6

B. 7

C. 8

D. 9

$$9 \times \underline{\quad} = 72$$

$$\frac{72}{9} = 8$$

$$8 \times 9 = 72$$

30. Which of these is a multiple of 5?

A. 32.

B. 45 ✓

C. 62

D. 78

31. Convert $2\frac{1}{2}$ to an improper fraction.

A. $\frac{4}{2}$

B. $\frac{5}{2}$

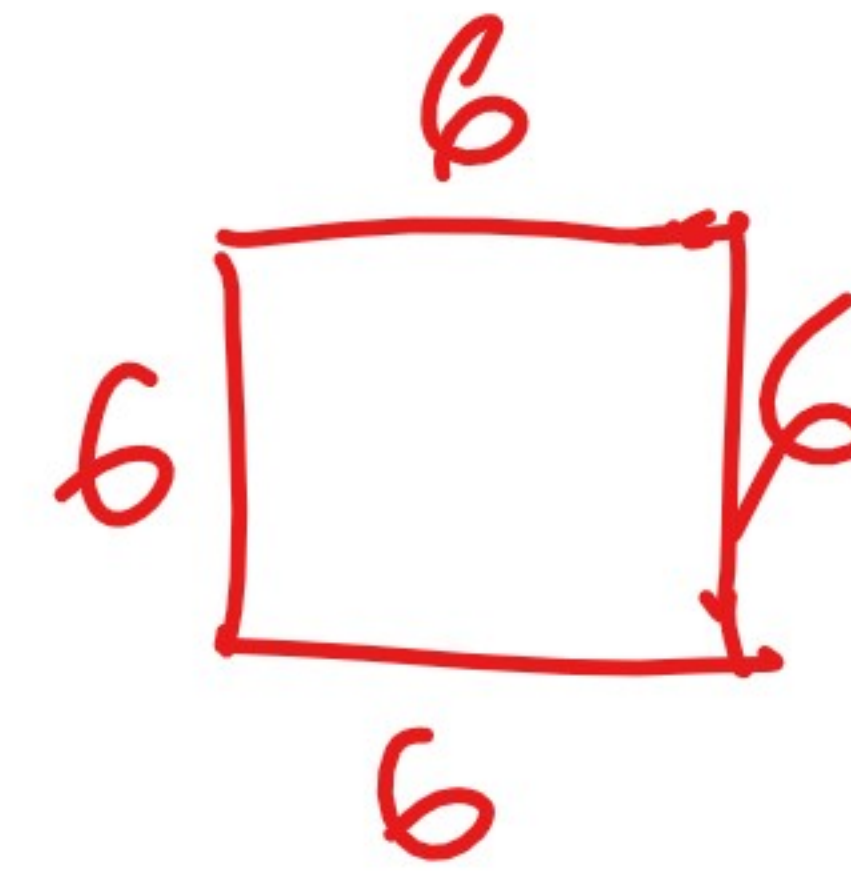
C. $\frac{6}{2}$

D. $\frac{7}{2}$

$$2\frac{1}{2} = \frac{2 \times 2 + 1}{2} = \frac{5}{2}$$

32. What is the area of a square with side 6 cm?

- A. 12 cm^2
- B. 24 cm^2
- C. 36 cm^2
- D. 42 cm^2



$$\begin{aligned} \text{Area} &= L^2 \text{ or } L \times L \\ &= 6 \times 6 = 36 \text{ cm}^2 \end{aligned}$$

33. Which number is greater?

A. 0.6

✓ B. $\frac{2}{3} = 0.67$

C. $\frac{1}{2} = 0.5$

D. 0.4

$$\begin{array}{r} 0.666\overline{6} \\ 3 \overline{) 20} \\ \underline{18} \\ 20 \\ \underline{18} \\ 2 \end{array}$$
$$\begin{array}{r} 0.5 \\ 2 \overline{) 10} \\ \underline{10} \\ 0 \end{array}$$

34. What is $\frac{1}{4}$ of 100?

A. 20

B. 25

C. 50

D. 75

$$\frac{1}{4} \text{ of } 100 = \frac{1}{4} \times \frac{100}{1} = 25$$

35. How many weeks are there in 28 days?

A. 2

B. 3

C. 4

D. 5

$$7 \text{ days} = 1 \text{ week}$$

$$28 \text{ days} = \frac{28}{7} = 4 \text{ weeks}$$

36. Simplify: $48 \div 8 - 2$

A. 2

B. 4

C. 6

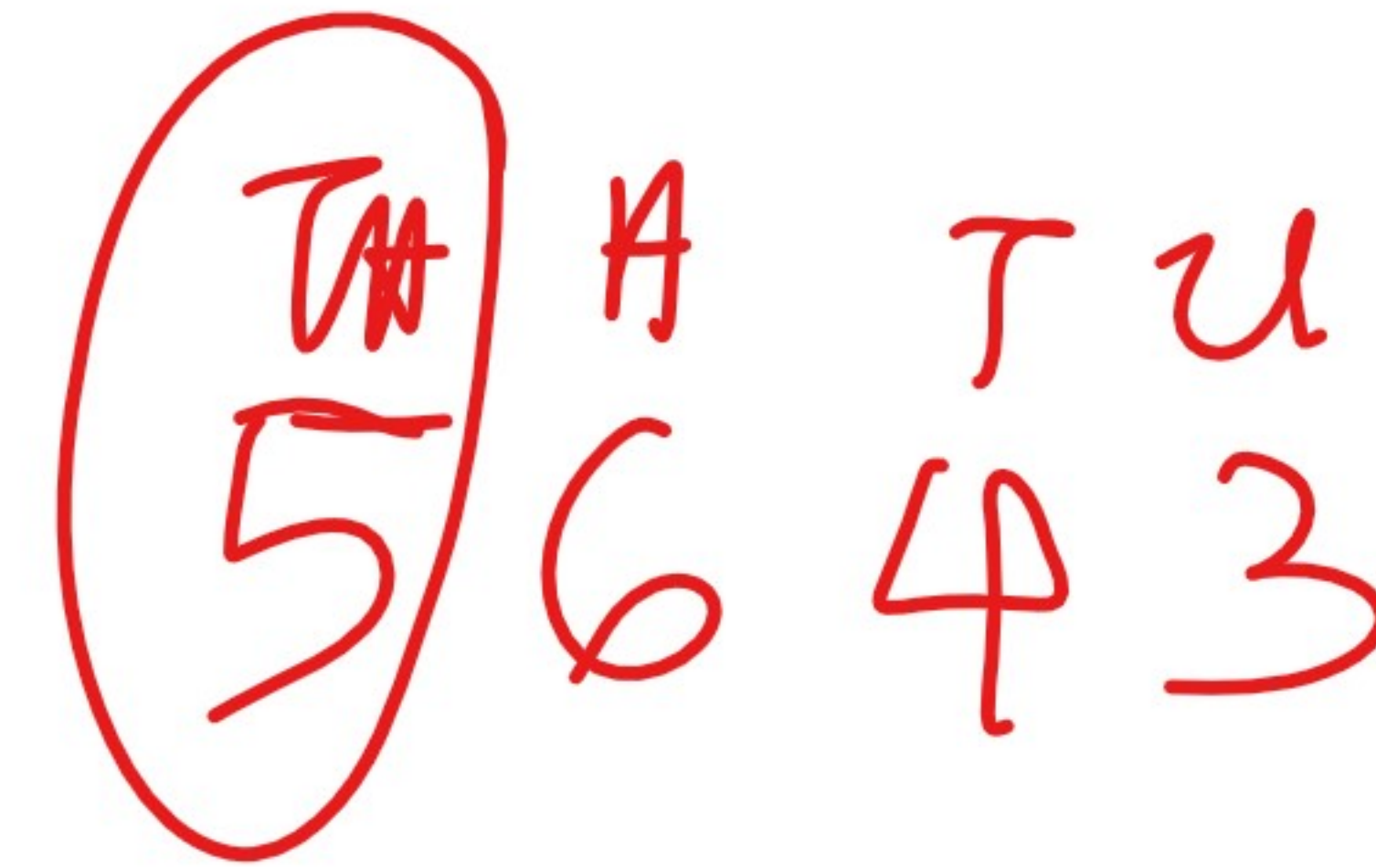
D. 8

$$48 \div 8 - 2$$

$$6 - 2 = 4$$

37. What is the place value of 5 in 5,643?

- A. Units
- B. Tens
- C. Hundreds
- D. Thousands



38. Which angle is less than 90° ?

A. Right angle = 90°

B. Straight angle = 180°

C. Obtuse angle = $> 90^\circ$

D. Acute angle = $< 90^\circ$

39. Write 0.75 as a fraction.

A. $\frac{1}{4}$

B. $\frac{1}{2}$

C. $\frac{3}{4}$

D. $\frac{5}{8}$

$$0.\underline{75} = \frac{\cancel{75}^{15}}{\cancel{100}^{20}} = \frac{3}{4}$$

40. What is the next number?

5, 10, 15, 20, 25

A. 22

B. 24

C. 25

D. 30