

VEDANT PUBLIC SCHOOL

ISANPUR, AHMEDABAD - 382443.

Seat No. :
બેઠક નંબર :

EXAM : IVth
પરીક્ષા :

DATE : (2018-19)
તારીખ :

STD. / CLASS : FA 3
ધોરણ / વર્ગ :

SUBJECT : Maths
વિષય :

MAIN મુખ્ય પુસ્તકો 1 + Supplements પુસ્તક પુસ્તકો _____ = TOTAL કુલ _____

Supervisor's Sign.
નિરીક્ષકની સહી

Examiner's Sign.
પરીક્ષકની સહી

Ques. No.	Total Marks	Marks Obtain
1		
2		
3		
4		
5		
6		
7		
8		
TOTAL		

Write From Here / અહીંથી લખજું.

Question - 1.

MCQs

* Ch-7 *

1) Which of these is not a property of multiples ?

a) Every number is a multiple of 0.

b) A number has unlimited number of multiples.

c) Every number is a multiple of itself.

d) Every number is a multiple of 1.

2) The number of factors of a prime number is :

a) 0 b) 1 c) 2 d) limited

3) Which of these is not a property of factors ?

344
221 244
6415

2

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- a) A number has unlimited number of factors.
b) 1 is a factor of every number.
c) Every number is a factor of itself.
d) A factor of a number cannot be greater than the number.

4) A number is divisible by 5 if:

- a) it has 0 or 5 in its ones place
b) it has 0 or an even number in its ones place
c) it has an odd number in its ones place
d) the sum of its digits is divisible by 3.

5) Write the 7th multiple of 9.

- a) 56 **b) 63** c) 36 d) None

6) Write the 12th multiple of 10.

- a) 72 b) 84 c) 108 **d) 120**

7) All even numbers are multiples of _____

- a) 2** b) 4 c) 6 d) None

8) The numbers which are not even are called _____ numbers.

- a) even b) natural **c) odd** d) None

9) The smallest two digit odd number _____

- a) 09 **b) 11** c) 13 d) 15

2

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10) The largest two digit even number
a) 90 b) 94 **c) 98** d) 100

11) $6 \times 8 = 48$. So, 6 and 8 are the factors of ____
a) 6 **b) 48** c) 8 d) 49

12) $9 \times 4 = 36$. So, 9 and 4 are the factors of ____
a) 36 b) 9 c) 4 d) None of these

13) 1 is the smallest factor of every number.
a) True b) False c) None of these

14) A multiple is always less than the number.
a) True **b) False** c) None of these

* ch-8 *

15) $\frac{2}{3}$ of a dozen is
a) 2 b) 4 **c) 8** d) None of these

16) Which of the following is an equivalent fraction of $\frac{4}{5}$?
a) $\frac{8}{15}$ **b) $\frac{8}{10}$** c) $\frac{12}{10}$ d) $\frac{20}{30}$

201
201
2015

4

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17) An equivalent fraction can be formed by:

- a) Adding the same number to the numerator and denominator.
- b) Multiplying the numerator and denominator by the same number.
- c) Subtracting the same number from the numerator and denominator.
- d) All of the above.

18) In $\frac{10}{17}$, the _____ is 17.

- a) numerator
- b) denominator
- c) 10
- d) None

19) In $\frac{8}{14}$, the numerator is _____

- a) 14
- b) 0
- c) 8
- d) None

* Ch-1 *

20) To convert millimetres into metres, we divide number of millimetres by _____

- a) 10
- b) 100
- c) 1
- d) 1000

21) When we divide 3045 kg by 1000, how many digits form the remainder?

- a) 1
- b) 2
- c) 3
- d) 4

4

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22) While adding two or more metric measures containing l and ml, the maximum number of digits ml can contain is

- a) 1 b) 2 **c) 3** d) 4

23) Which of these is equal to 1 hectometre?

- a) 10m **b) 100m** c) m d) m²

24) Which of these is greater than a litre?

- a) Hectolitre** b) Litre
- c) Centilitre d) None of these

25) 54 kg _____ 54000 g

- a) < b) > **c) =** d) None

26) 1000 cm _____ 10m

- a) < b) > **c) =** d) None

27) 1 m = _____ cm

- a) 100** b) 1000 c) 10 d) 1

28) 1 km = _____ m

- a) 1 b) 10 **c) 1000** d) 100

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29) $1000 \text{ ml} = \underline{\hspace{2cm}} \text{ l.}$

- a) 1 b) 10 c) 100 d) 1000

30) $12 \text{ l} = \underline{\hspace{2cm}} \text{ ml}$

- a) 120 b) 1200 c) 12 d) 12000

Question-2.

Do as directed. (any 10)
(1 mark each)

1) Write the greatest 3-digit number which is a multiple of 33.
→ 990.

2) Write the multiples of 7 which are greater than 28 but less than 60.
→ 35, 42, 49, 56.

3) Write the fractions for the following fractional numbers.

a) two-fifths = $\frac{2}{5}$

b) two-thirds = $\frac{2}{3}$

c) four-elevenths = $\frac{4}{11}$

d) seven twelfths = $\frac{7}{12}$

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4) Write the numerator and denominator of each of the fractions given below.

- 1) $\frac{9}{17}$ = numerator 9, denominator = 17
- 2) $\frac{4}{9}$ = numerator 4, denominator = 9
- 3) $\frac{4}{13}$ = numerator = 4, denominator = 13
- 4) $\frac{5}{17}$ = numerator = 5 denominator = 17

5) Solve the following.

a) $274 \text{ kg } 600 \text{ g} + 85 \text{ kg } 230 \text{ g}$
 $= 359 \text{ kg } 830 \text{ g}$

b) $349 \text{ g } 657 \text{ mg} + 415 \text{ g } 636 \text{ mg}$
 $= 765 \text{ g } 293 \text{ mg}$

c) $69 \text{ l} - 32 \text{ l} = 37 \text{ l}$

d) $24 \text{ m } 88 \text{ cm} - 16 \text{ m } 65 \text{ cm}$
 $= 08 \text{ m } 23 \text{ cm}$

e) $250 \text{ l } 20 \text{ ml} - 100 \text{ l } 30 \text{ ml}$
 $= 149 \text{ l } 90 \text{ ml}$

6) Convert into centimetres.

a) $9 \text{ m} = 9 \times 100 \text{ cm}$
 $= 900 \text{ cm}$

b) $15 \text{ m} = 15 \times 100 \text{ cm}$
 $= 1500 \text{ cm}$

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c) $8\text{ m } 15\text{ cm} = 8 \times 100\text{ cm} + 15\text{ cm}$
 $= 800\text{ cm} + 15\text{ cm}$
 $= 815\text{ cm}$

d) $3\text{ dm } 9\text{ cm} = 3\text{ dm} = 3 \times 10\text{ cm} = 30\text{ cm}$
 $30\text{ cm} + 9\text{ cm}$
 $= 39\text{ cm}$

e) $8\text{ m } 2\text{ dm} = 8\text{ m} = 8 \times 100\text{ cm} = 800\text{ cm}$
 $2\text{ dm} = 2 \times 10\text{ cm} = 20\text{ cm}$
 $800\text{ cm} + 20\text{ cm}$
 $= 820\text{ cm}$

7) Convert into metres.

a) $8\text{ km} = 8 \times 1000\text{ m}$
 $= 8000\text{ m}$

b) $9\text{ km} = 9 \times 1000\text{ m}$
 $= 9000\text{ m}$ c) $43\text{ km} = 43 \times 1000\text{ m}$
 $= 43000\text{ m}$

d) $4\text{ km } 60\text{ m} = 4 \times 1000\text{ m} + 60\text{ m}$
 $= 4000\text{ m} + 60\text{ m}$
 $= 4060\text{ m}$

e) $25\text{ km } 8\text{ m} = 25 \times 1000\text{ m} + 8\text{ m}$
 $= 25000\text{ m} + 8\text{ m}$
 $= 25008\text{ m}$

$\textcircled{8}$

(9)

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Question - 3

Do as directed. (any 5)

(2 marks each)

A) Find the LCM of the following numbers.

1) 3, 4

→ 3 → 3, 6, 9, 12, 15

4 → 4, 8, 12, 16

Thus, LCM of 3 and 4 = 12.

2) 6, 5

→ 6 → 6, 12, 18, 24, 30

5 → 5, 10, 15, 20, 25, 30

LCM = 30

3) 8, 12, 16

→ 8 → 8, 16, 24, 32, 40, 48, 56

12 → 12, 24, 36, 48, 60

16 → 16, 32, 48, 64

LCM = 48

B) Find the HCF of the following numbers.

1) 10, 30

10

30

1 × 10

1 × 30

2 × 5

2 × 15

3 × 10

5 × 6

10 = 1, 2, 5, 10

30 = 1, 2, 3, 10, 15, 30, 5, 6

common factors = 1, 2, 5 ∴ HCF = 5.

(9)

(10)

244
21244
8415

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2)

12, 27

12

27

1×12

1×27

2×6

3×9

3×4

$12 = 1, 2, 3, 4, 6, 12$

$27 = 1, 3, 9, 27$

Common factors = 1, 3

HCF = 3

c) Arrange these fractions in ascending order.

1) $\frac{5}{17}, \frac{13}{17}, \frac{8}{17}, \frac{9}{17}$

$\rightarrow \frac{5}{17}, \frac{8}{17}, \frac{9}{17}, \frac{13}{17}$

2) $\frac{8}{29}, \frac{16}{29}, \frac{20}{29}, \frac{5}{29}$

$\rightarrow \frac{5}{29}, \frac{8}{29}, \frac{16}{29}, \frac{20}{29}$

D) Arrange these fractions in descending order.

1) $\frac{9}{10}, \frac{3}{10}, \frac{1}{10}, \frac{7}{10}$

$\rightarrow \frac{9}{10}, \frac{7}{10}, \frac{3}{10}, \frac{1}{10}$

(10)

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2) $\frac{3}{17}, \frac{8}{17}, \frac{10}{17}, \frac{11}{17}$
→ $\frac{11}{17}, \frac{10}{17}, \frac{8}{17}, \frac{3}{17}$

E) multiply.

1) $8 \text{ kg } 435 \text{ g} \times 7$
 $\begin{array}{r} \text{kg} \quad \text{g} \\ 8 \quad 435 \\ \times \quad 7 \\ \hline 59 \quad 045 \end{array}$

2) $12 \text{ km } 306 \text{ m} \times 2$
 $\begin{array}{r} \text{km} \quad \text{m} \\ 12 \quad 306 \\ \times \quad 2 \\ \hline 24 \quad 612 \end{array}$

3) $25 \text{ kg } 134 \text{ g} \times 5$
 $\begin{array}{r} \text{kg} \quad \text{g} \\ 25 \quad 134 \\ \times \quad 5 \\ \hline 125 \text{ kg } 670 \text{ g} \end{array}$

F) Divide

1) $12 \text{ kg } 240 \text{ g} \text{ by } 6$
 $\begin{array}{r} \text{kg} \quad \text{g} \\ 12 \quad 240 \\ 6 \overline{) 12 \quad 240} \\ \underline{12} \quad \quad \quad \\ \quad 00 \quad 24 \\ \quad \quad \underline{24} \\ \quad \quad \quad 000 \end{array}$

2) $5 \text{ kg } 325 \text{ g} \text{ by } 5$
 $\begin{array}{r} \text{kg} \quad \text{g} \\ 5 \quad 325 \\ 5 \overline{) 5 \quad 325} \\ \underline{5} \quad \quad \quad \\ \quad 0 \quad 32 \\ \quad \quad \underline{30} \\ \quad \quad \quad 25 \\ \quad \quad \quad \underline{25} \\ \quad \quad \quad \quad 00 \end{array}$

(11)

12

પ્રશ્ન
પ્રશ્ન
ક્રમિક

+ + + + =

3) 7g 245mg by 9

	g	mg
	0	805
9	7	245
	0	
	7	2
	7	2
	00	45
		45
		00

All The Best

12