



SHREE VASISHTHA VIDHYALAYA

Maths Worksheet 2026-27

Name : - _____

Std :- IV - _____

Roll No. :- _____

Worksheet No : PA-02

Date : - _____

[L-10 Basic Geometry (10-D, & 10-E), L-3 Multiplication, L-4 Division]

Q:1 Choose the correct option.

- (1) The surface which is not plane is called.....
 (A) Flat surface (B) Ruled surface ☒ (C) Curved surface (D) Smooth surface
- (2) How many identical and parallel bases does the prism have?
 (A) One ☒ (B) Two (C) Three (D) Zero
- (3) Single spot at the very top of pyramid is
 (A) Edge (B) Base (C) Face ☒ (D) Apex
- (4) Which of the following is the Euler's formula?
 (A) $V+E-F=2$ ☒ (B) $F+V-E=2$ (C) $E-F+V=2$ (D) $F+V-E=0$
- (5) What is 3 times 9 tens?
 (A) 27 ☒ (B) 270 (C) 12 (D) 2700
- (6) How many zeroes will be there in the product of 101×10 ?
 (A) 0 (B) 1 ☒ (C) 2 (D) 3
- (7) Which property is used in the following expression? $15 \times 5 = 75$, $5 \times 15 = 75$?
 (A) Property of 1 (B) Property of zero ☒ (C) Order property (D) Associative property
- (8) What number will give you a remainder 437 and quotient 5 when divided by 1000?
 (A) 5438 ☒ (B) 5437 (C) 5834 (D) 5537
- (9) How many hours are there in 1800 minutes?
☒ (A) 30 (B) 12 (C) 120 (D) 300
- (10) The remainder of $675 \div 100$ is _____
 (A) 1 (B) 5 (C) 0 ☒ (D) 75

Q:2 Fill in the blanks.

- (1) I have 1 flat face, 1 curved face and 1 edge, who am I? Cone
- (2) $400 \times 4 =$ 1600
- (3) $60 \times 80 =$ 4800
- (4) $85 \times$ 1000 $= 85000$
- (5) $63 \times 29 = 1827$, where 29 is the multiplier.
- (6) $0 \div 698 =$ 0
- (7) When a number is divided by 10, the digit at its ones place becomes the remainder.
- (8) $748 \div$ 748 $= 1$
- (9) $1075 \div 5 = 215$, where 1075 is called dividend
- (10) Divisor $\times$ Quotient + Remainder = Dividend

Q:3 Find the Product.

- (1) $14 \times 1000 =$ 14,000
- (2) $255 \times 30 =$ 7,650
- (3) $900 \times 200 =$ 1,80,000
- (4) 5 $\times 4000 = 20000$
- (5) $342 \times 2 =$ 684

Q:4 State True or False in following.

- (1) Every cube is a cuboid.
- (2) There are 3 vertices in a cone.
- (3) $9 \times 8 = 72$, where 9 is a multiplicand.
- (4) A number multiplied by 0 gives 1.
- (5) Any number multiplied by 1 remains unchanged.
- (6) We can divide any number by 0.
- (7) The result of a division problem is called the product.
- (8) Multiplication and Division are inverse operations of each other.

F
F
T
F
T
F
F
T

Q:5 Story Sums:

- (1) Weight of one loaded carton is 145 kg. Find the weight of 85 such cartons.

Weight of 1 carton = 145 kg

Weight of 85 cartons = (145×85) kg
= 12,325 kg

Thus, weight of 85 cartons is 12,325 kg

$$\begin{array}{r} \textcircled{3} \textcircled{4} \\ \textcircled{2} \textcircled{2} \\ 145 \\ \times 85 \\ \hline 725 \\ + 11600 \\ \hline 12325 \end{array}$$

- (2) A man earns ₹ 505 every day. How much will he earn if he works 324 days in year?

A man earns in 1 day = ₹ 505

He will earn in 324 days = ₹ (505×324)
= ₹ 1,63,620

Thus, a man will earn ₹ 1,63,620.

$$\begin{array}{r} \textcircled{1} \\ \textcircled{1} \\ \textcircled{2} \\ 505 \\ \times 324 \\ \hline 2020 \\ + 10100 \\ \hline 151500 \\ + 163620 \\ \hline \end{array}$$

- (3) ₹ 4500 was shared equally by 30 persons. What is the share of each person?

Total amount = ₹ 4500

No. of persons = 30

Share of each person = $(4500 \div 30)$
= ₹ 150

Thus, share of each person is ₹ 150.

$$\begin{array}{r} 150 \\ 30 \overline{) 4500} \\ \underline{-30} \downarrow \\ 150 \\ \underline{-150} \downarrow \\ 0000 \end{array}$$

- (4) Weight of 39 rice bags is 5577 kg. What is the weight of 1 rice bag if each bag weighs the same?

Weight of 39 rice bag = 5577 kg

Weight of 1 rice bag = $(5577 \div 39)$ kg
= 143 kg

Thus, weight of 1 rice bag is 143 kg.

$$\begin{array}{r} 143 \\ 39 \overline{) 5577} \\ \underline{-39} \downarrow \\ 167 \\ \underline{-156} \downarrow \\ 0117 \\ \underline{-117} \\ 000 \end{array}$$

Do as directed.

1. Multiply

a) 63×92

$$\begin{array}{r} \textcircled{2} \\ 63 \\ \times 92 \\ \hline 126 \\ + 5670 \\ \hline 5796 \end{array}$$

b) 2741×521

$$\begin{array}{r} \textcircled{3} \quad \textcircled{2} \quad \textcircled{1} \\ 2741 \\ \times 521 \\ \hline 2741 \\ + 54820 \\ + 1370500 \\ \hline 1428061 \end{array}$$

c) 231×72

$$\begin{array}{r} 231 \\ \times 72 \\ \hline 462 \\ + 16170 \\ \hline 16632 \end{array}$$

2. Divide.

a) $48722 \div 13$

$$\begin{array}{r} 3747 \\ 13 \overline{) 48722} \\ \underline{-39} \downarrow \\ 097 \\ \underline{-91} \downarrow \\ 062 \\ \underline{-52} \downarrow \\ 102 \\ \underline{-91} \\ 11 \end{array}$$

b) $4546 \div 16$

$$\begin{array}{r} 284 \\ 16 \overline{) 4546} \\ \underline{-32} \downarrow \\ 134 \\ \underline{-128} \downarrow \\ 0066 \\ \underline{-64} \\ 02 \end{array}$$

c) $6791 \div 5$

$$\begin{array}{r} 1358 \\ 5 \overline{) 6791} \\ \underline{-5} \downarrow \\ 17 \\ \underline{-15} \downarrow \\ 029 \\ \underline{-25} \downarrow \\ 041 \\ \underline{-40} \\ 01 \end{array}$$

3. Estimate the product.

a) 3977×17

$$\begin{array}{l} 3977 \rightarrow 4000 \\ 17 \rightarrow 20 \end{array}$$

$$\begin{array}{l} 4000 \times 20 \\ \quad \quad \quad \nearrow \\ = 80,000 \end{array}$$

b) 1549×86

$$\begin{array}{l} 1549 \rightarrow 2000 \\ 86 \rightarrow 90 \end{array}$$

$$\begin{array}{l} 2000 \times 90 \\ \quad \quad \quad \nearrow \\ = 1,80,000 \end{array}$$

c) 231×72

$$\begin{array}{l} 231 \rightarrow 200 \\ 72 \rightarrow 70 \end{array}$$

$$\begin{array}{l} 200 \times 70 \\ \quad \quad \quad \nearrow \\ = 14,000 \end{array}$$

4. Round off the dividend only to estimate the quotient of

a) $725 \div 4$

$$725 \rightarrow 700$$

$$\begin{array}{r} 175 \\ 4 \overline{) 700} \\ \underline{-4} \downarrow \\ 30 \\ \underline{-28} \downarrow \\ 020 \\ \underline{-20} \\ 00 \end{array}$$

b) $1925 \div 5$

$$1925 \rightarrow 2000$$

$$\begin{array}{r} 400 \\ 5 \overline{) 2000} \\ \underline{-20} \downarrow \downarrow \\ 0000 \end{array}$$

c) $942 \div 3$

$$942 \rightarrow 900$$

$$\begin{array}{r} 300 \\ 3 \overline{) 900} \\ \underline{-9} \downarrow \downarrow \\ 000 \end{array}$$

Q:7 Fill in the ^{blanks} boxes using properties.

(a) $4465 \times \underline{1} = 4465$

(c) $0 \div 986 = \underline{0}$

(b) $1791 \div \underline{1791} = 1$

(d) $467 \times 981 = 981 \times \underline{467}$

Q:8 Write the quotient(Q) and the remainder(R) without actual division.

(A) $94 \div 10$

Q = 9 R = 4

(B) $1004 \div 10$

Q = 100 R = 4

(C) $45897 \div 100$

Q = 458 R = 97

(D) $80009 \div 1000$

Q = 80 R = 9

Q:9 Case Study

Maya loves gardening. She decides to grow and sell small plants in her neighbourhood. On Saturday, Maya sells her premium decorated pots. She sold 9 of these pots for ₹ 100 each. Joya hears about Maya's project and wants to buy plants. She ordered 3 boxes and each box contains 12 plants.

a) How much total money did Maya make on Saturday?

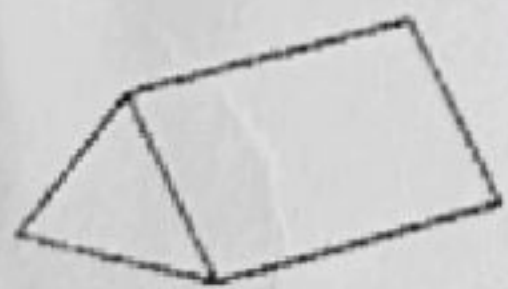
₹ 100 X 9 pots = ₹ 900. Thus, Maya made ₹ 900 on Saturday.

b) How many total plants did Joya order?

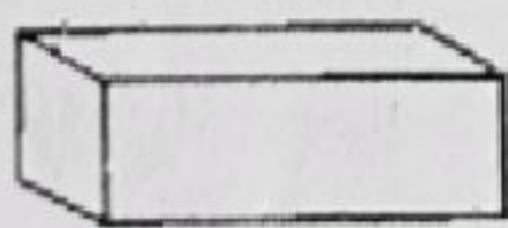
12 plants X 3 boxes = 36 plants.

Thus, Joya ordered total 36 plants.

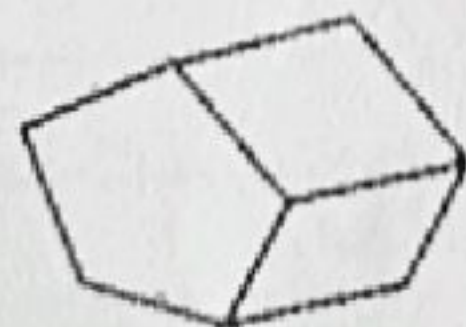
Q:10 Match the prisms and pyramid with their correct nets.



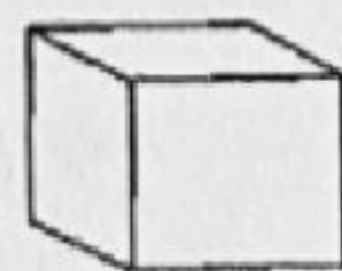
1)



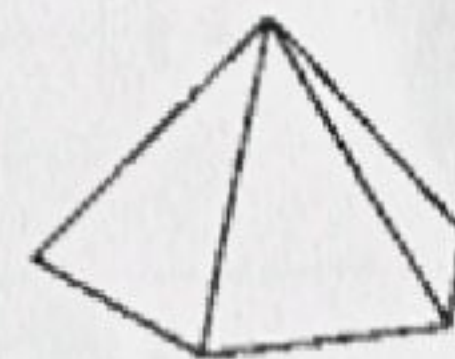
2)



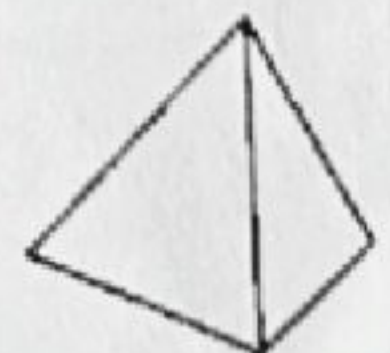
3)



4)

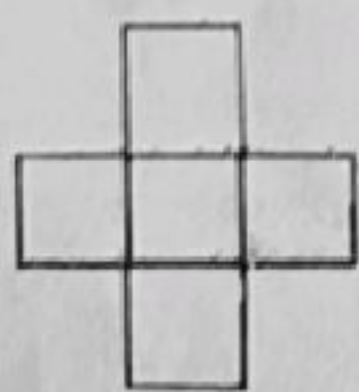


5)

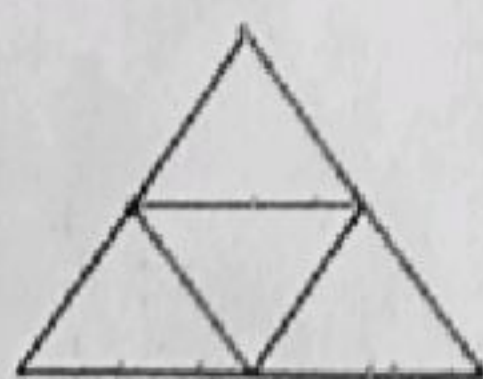


6)

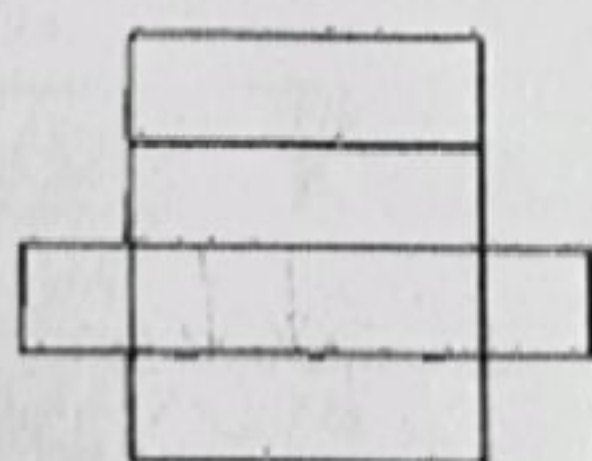
a)



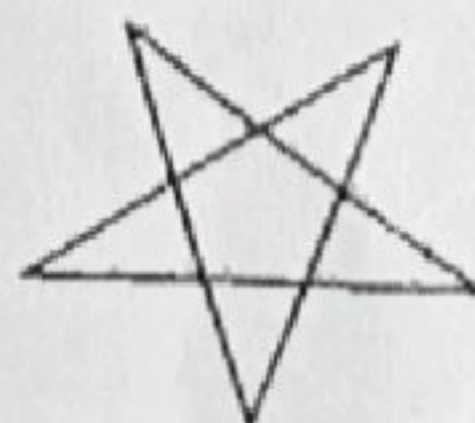
b)



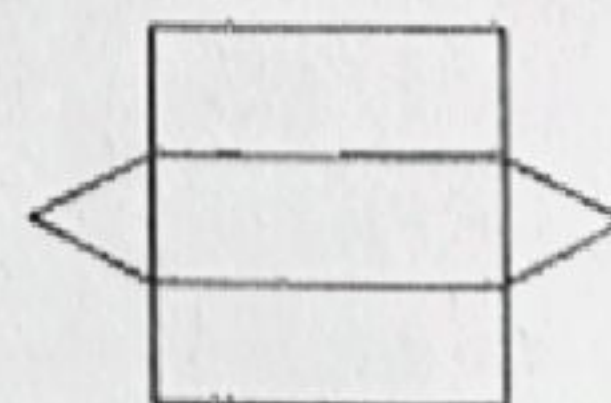
c)



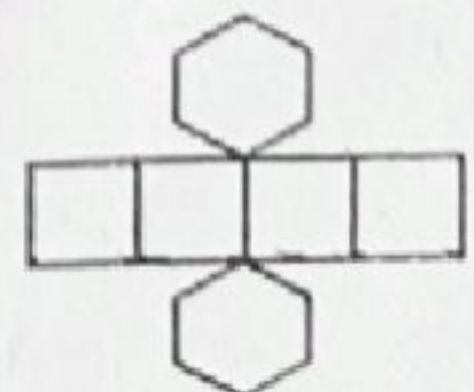
d)



e)



f)



1) - e

2) c, 3) f, 4) a, 5) d, 6) b