



CLASS: VII
DATE: 21/05/23

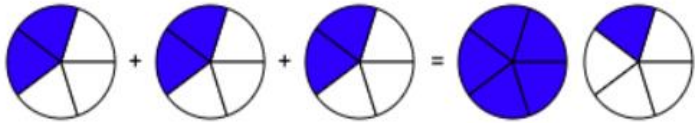
MAX. MARKS: 20
TIME: 40 MINUTES

General Instructions:

1. This question paper contains four sections A, B, C and D. Each section is compulsory. However, there are internal choices in some questions.
2. Section A has 4 MCQs and 1 Assertion-Reason based question of 1 mark each.
3. Section B has 2 Very Short Answer (VSA)-type questions of 2 marks each.
4. Section C has 2 Short Answer (SA)-type questions of 3 marks each.
5. Section D has 1 Long Answer (LA)-type question of 5 marks.

SECTION – A

[This section comprises of multiple choice questions (MCQ) of 1 mark each]

1.	Write a pair of integers whose sum is (-4). a) -3 and 1 b) -4 and 0 c) -4 and -1 d) -5 and -2
2.	The multiplicative inverse of $\frac{7}{5}$ is: a) $\frac{7}{5}$ b) $\frac{5}{7}$ c) $-\frac{5}{7}$ d) $-\frac{7}{5}$
3.	The Value of $6 \div 0$: a) 6 b) 1 c) not defined d) 0
4.	Write the correct option for the given pictorial representation:  a) $3 \times \frac{3}{7} = \frac{9}{7}$ b) $3 \times \frac{1}{4} = \frac{3}{4}$ c) $4 \times \frac{2}{3} = \frac{8}{3}$ d) $3 \times \frac{2}{5} = \frac{6}{5}$
5.	A statement of Assertion is followed by a statement of Reason. Choose the correct option. Assertion: $(-50) \times (-70) = 3500$ Reason: When two negative integers are multiplied we get the product as a negative integer. a) Both Assertion and Reason are true and Reason is the correct explanation for Assertion . b) Both Assertion and Reason are true but Reason is not the correct explanation for Assertion . c) Assertion is true but Reason is false. d) Assertion is false but Reason is true.

SECTION – B

[This section comprises of very short answer type questions (VSA) of 2 marks each]

6. In a quiz, class A scored 12, (-4), 28 and class B scored 14, (-5), 16 in three successive rounds. Which class scored more and by how much?

OR

State the property of integers represented by the following statements.

(i) $85 \times 55 = 55 \times 85$.

(ii) $(236 + 45) + 530 = 45 + (236 + 530)$.

7. Find the value of $2\frac{1}{5} \div 4\frac{1}{5}$.

SECTION – C

[This section comprises of short answer type questions (SA) of 3 marks each]

8. Verify $[20 \times (-8)] \times (-2) = 20 \times [(-8) \times (-2)]$

9. Multiply and express as a mixed fraction:

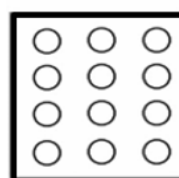
(i) $3\frac{3}{8} \times \frac{6}{5}$

(ii) $4\frac{3}{7} \times 8\frac{2}{5}$

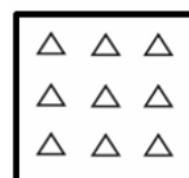
OR

Draw and shade (i) $\frac{1}{4}$ of the circles in box (a)

(ii) $\frac{2}{3}$ of the triangles in box (b)



(a)



(b)

SECTION – D

[This section comprises of long answer type question (LA) of 5 marks]

10. In a class of 50 students, $\frac{1}{5}$ of the total number of students play cricket, $\frac{3}{10}$ of the total number of students play football, $\frac{1}{10}$ of the total number of students play basketball and the rest of the students play tennis.

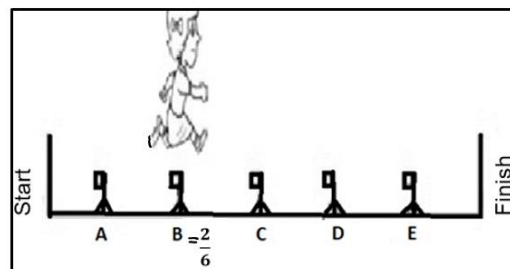
- (i) How many students play cricket?
- (ii) How many students play football?
- (iii) How many students play basketball?
- (iv) How many students play tennis?
- (v) What fraction of total students play tennis?

OR

In a hurdle race, Reena is over hurdle B and $\frac{2}{6}$ of the way through the race, as shown in the figure.

Answer the following questions:

- (i) Where will Reena be, when she is $\frac{4}{6}$ of the way through the race?
- (ii) Where will Reena be, when she is $\frac{5}{6}$ of the way through the race?
- (iii) What part of the race Reena has finished, when she is over C?
- (iv) Find the value of $B \times C$.
- (v) Find the value of $D \div E$.





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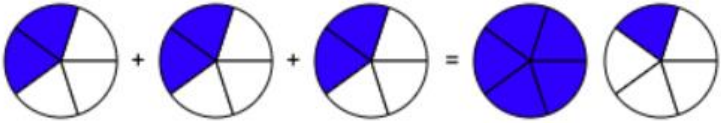
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5. Section D has 1 Long Answer (LA)-type question of 5 marks.

SECTION – A

[This section comprises of multiple choice questions (MCQ) of 1 mark each]

1.	Write a pair of integers whose product is (-5). a) -5 and -1 b) -5 and 0 c) -5 and 1 d) -3 and 2
2.	Write the correct option for the given pictorial representation:  a) $3 \times \frac{3}{7} = \frac{9}{7}$ b) $3 \times \frac{2}{5} = \frac{6}{5}$ c) $4 \times \frac{2}{3} = \frac{8}{3}$ d) $3 \times \frac{1}{4} = \frac{3}{4}$
3.	The Value of $0 \div 6$: a) 10 b) 1 c) not defined d) 0
4.	Which is the multiplicative identity for integers? a) 0 b) 1 c) -1 d) -2
5.	A statement of Assertion is followed by a statement of Reason. Choose the correct option. Assertion: $(-58) + (-78) = (-136)$. Reason: When two negative integers are added we get the sum as a negative integer. a) Both Assertion and Reason are true and Reason is the correct explanation for Assertion . b) Both Assertion and Reason are true but Reason is not the correct explanation for Assertion . c) Assertion is true but Reason is false. d) Assertion is false but Reason is true.

SECTION – B

[This section comprises of very short answer type questions (VSA) of 2 marks each]

6. In a quiz, class A scored 12, (-4), 28 and class B scored 14, (-5), 16 in three successive rounds. Which class scored more and by how much?
- OR**
- State the property of integers represented by the following statements.
- (i) $42 \times 20 = 840$.
- (ii) $236 + 45 = 45 + 236$.

7. Find the value of $2\frac{1}{5} \div 3\frac{2}{5}$.

SECTION – C

[This section comprises of short answer type questions (SA) of 3 marks each]

8. Verify $[15 \times (-7)] \times (-2) = 15 \times [(-7) \times (-2)]$

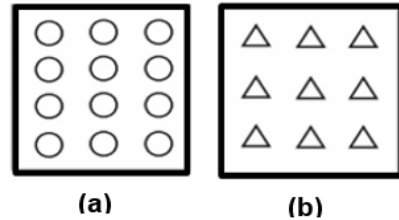
9. Multiply and express as a mixed fraction:

(i) $3\frac{3}{8} \times \frac{6}{5}$ (ii) $4\frac{3}{7} \times 8\frac{2}{5}$

OR

Draw and shade (i) $\frac{3}{4}$ of the circles in box (a)

(ii) $\frac{1}{3}$ of the triangles in box (b)

**SECTION – D**

[This section comprises of long answer type question (LA) of 5 marks]

10. In a class of 45 students, $\frac{1}{5}$ of the total number of students play cricket, $\frac{1}{3}$ of the total number of students play football, $\frac{2}{9}$ of the total number of students play basketball and the rest of the students play tennis.
- (i) How many students play cricket?
- (ii) How many students play football?
- (iii) How many students play basketball?
- (iv) How many students play tennis?
- (v) What fraction of total students play tennis?

OR

In a hurdle race, Reena is over hurdle B and $\frac{2}{6}$ of the way through the race, as shown in the figure. Answer the following questions:

- (i) Where will Reena be, when she is $\frac{4}{6}$ of the way through the race?
- (ii) Where will Reena be, when she is $\frac{5}{6}$ of the way through the race?
- (iii) What part of the race Reena has finished, when she is over C?
- (iv) Find the value of $B \times C$.
- (v) Find the value of $D \div E$.

