



DETAILED
ASSESSMENT^{EI}



QUESTION

PAPER

Math

18 July 2011

DURATION 40 MIN | EXAM CODE 1115881

**PILOT PAPER - INTEGERS,
FRACTIONS AND DECIMALS**

NAME

.....

CLASS 7

DIVISION A

.....

ROLL NUMBER

SCHOOL

Demo School

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TEACHER

1. There are 25 questions in the paper. All are compulsory.
2. Tick or circle the option which is your answer.
3. Show your working on a separate sheet of paper wherever you need to.
4. For calculations take pi as $22/7$.
5. Please check your answers carefully before submitting the test. Once submitted, the answers CANNOT be changed.

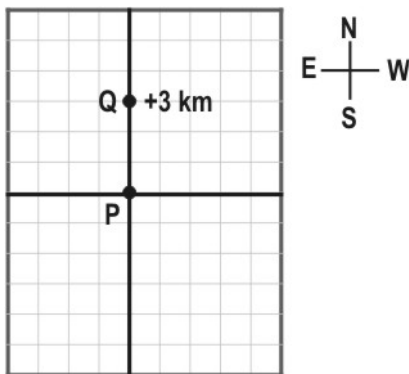
Q 1 The following table shows the average temperature recorded in Srinagar on 4 days.

Day	Monday	Tuesday	Wednesday	Thursday
Temperature ($^{\circ}\text{C}$)	- 2	0	- 4	3

Which day was the coldest?

1. Monday
2. Tuesday
3. Wednesday
4. Thursday

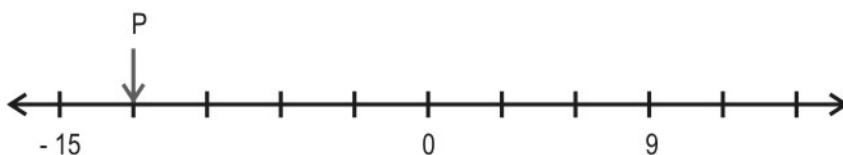
Q 2 A man who was initially standing at point P, walked 3 km towards the north to reach point Q. He then walked 8 km towards the south from Q to reach point R.



If the position of Q is denoted as +3 km, then how will the position of R be denoted?

1. -8 km
2. -5 km
3. +5 km
4. +8 km

Q 3 Look at the number line below:



What number does P stand for?

1. -18
2. -12
3. -10
4. -4



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

1. $(-889) \times (74 - 9)$
2. $(-889) \times (74 + 9)$
3. $(-889) \times 74 + 9$
4. $(-889) \times 74 \times 9$

Q
5 Which of these is/are same as $(-53) + (-25) + (-7)$?

- I) $(-53) + (-32)$
- II) $(-78) + (-7)$
- III) $(-60) + (-32)$
1. only I
 2. only II
 3. only I and II
 4. all - I, II and III

Q
6 Which of these is the same as $(-7) - (-9)$?

1. $7 - 9$
2. $7 + 9$
3. $(-7) - 9$
4. $(-7) + 9$

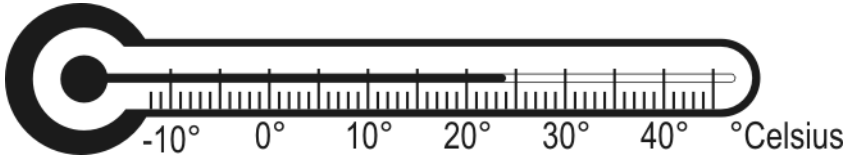
Q
7 The product of 6 positive integers and 3 negative integers is

1. positive as there are more positive integers.
2. negative as there are an odd number of negative integers.
3. positive as there are an even number of positive integers.
4. (We cannot say for sure, it depends on the numbers.)

Q
8 Which number would go into the blank to make the number sentence true?

- $(-24) \div \underline{\hspace{2cm}} = (-8)$
1. -192
 2. -3
 3. 3
 4. 192

- Q**
9 Nishchal is doing an experiment with a liquid. He measures the temperature of the liquid with a thermometer and finds it to be 24°C as shown below.



He wants to cool it to -6°C . He cools it in such a way that the temperature drops by 3 degrees in an hour. How many hours will it take for the liquid to cool to -6°C ?

1. 2 hours
2. 6 hours
3. 8 hours
4. 10 hours

- Q**
10 Prakrit wants to stop eating junk food. In order to control the number of times he eats junk food in a day, he gives himself some points. He gives himself 5 points whenever he eats a healthy snack, and -8 points when he eats an unhealthy snack. One day he ate 2 healthy snacks and 4 unhealthy snacks. What is the total number of points that he got that day?

1. -3
2. -22
3. -32
4. -42

- Q**
11 The product of 3 integers is 210. Two of the integers are -14 and -3. Which is the third integer?

1. -8820
2. -5
3. 5
4. 8820

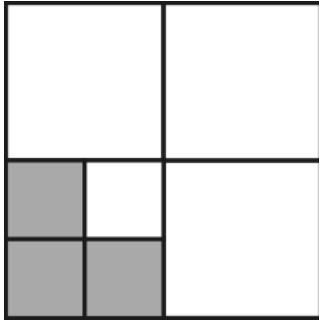
- Q**
12 $3\frac{1}{5} + 2\frac{2}{3} =$

1. $5\frac{3}{8}$
2. $\frac{24}{8}$
3. $\frac{80}{15}$
4. $\frac{88}{15}$

- Q**
13 $\frac{3}{14} \times \frac{7}{k} = \frac{1}{2}$. What is k ?

1. 2
2. 3
3. 6
4. 42

Q
14 What fraction of the square below is shaded?



1. $\frac{3}{4} \times \frac{1}{7}$
2. $\frac{3}{4} \times \frac{1}{4}$
3. $\frac{3}{7} \times \frac{1}{7}$
4. $\frac{3}{7} \times \frac{1}{4}$

Q
15 Which of these signs will you place in the box so that the following expression has the maximum value?

$$31 \square \frac{43}{79}$$

1. \times
2. \div
3. $+$
4. $-$

Q
16 Gini took $\frac{1}{3}$ of 12 apples. She cut each of these apples into halves. How many pieces of apple does Gini have?

1. 2
2. $6 \frac{1}{3}$
3. 8
4. $12 \frac{1}{6}$

Q
17 Sumi cuts a ribbon of length $3 \frac{1}{4}$ m into pieces of equal length. The length of each piece is $\frac{1}{4}$ m. Which of these gives the number of pieces of ribbon Sumi gets?

1. $3 \frac{1}{4} + \frac{1}{4}$
2. $3 \frac{1}{4} - \frac{1}{4}$
3. $3 \frac{1}{4} \times \frac{1}{4}$
4. $3 \frac{1}{4} \div \frac{1}{4}$



Q
18 The cost of $6\frac{1}{4}$ kg of apples is Rs 600. What is the cost of apples per kg?

1. Rs 90
2. Rs 96
3. Rs 100
4. Rs 3750

Q
19 $3.6 \div 0.2 =$

1. 0.18
2. 1.8
3. 18
4. 180

Q
20 $9.1 \times 11 =$

1. 1001
2. 100.1
3. 10.01
4. 1.011

Q
21 $44 \times 785 = 34540$. What is 0.44×785 ?

1. 3.454
2. 34.54
3. 345.4
4. 3454

Q
22 $7264.304 \div 5.78 = 1256.8$

Which of these is $7264.304 \div 0.0578$?

(Note: You need not actually divide.)

1. 12.568
2. 125.68
3. 12568
4. 125680

Q
23 Arun bought 4 packets of peanuts, each weighing 125.80 g. What is the total weight of the peanuts that he bought?

1. 503.2 g
2. 314.5 g
3. 50.32 g
4. 31.45 g



Q

24 Jagtap had a can of juice. He gave 0.25 litre of juice to each of his 11 friends and found that he had 0.8 litre of juice left. How much juice did he have in the can initially?

1. 28.3 l
2. 3.55 l
3. 2.83 l
4. 2.75 l

Q

25 8.75 m of cloth cost Rs. 280. How much does 1 m of the same cloth cost?

1. Rs. 32
2. Rs. 30
3. Rs. 24.50
4. Rs. 3.13