# Entry Test: 47 <br> Answer Key to Grade: 5 <br> ENGLISH 

1. (A) Correct Spellings a temperature a surprise
2. Articles and Prepositions

My brother a young scuba diver jumped into the river to save a/the child from drowning.
3. (A) Complete Sentences
a The baby is crying for milk now.
a The shopkeeper sold an expensive jar.
a They do not do their work regularly.
(B) Do as Directed.

ـ Does jelly usually set in an hour?
ـ The bosses are visiting (the) picture galleries.
ـ The did not keep us waiting.
4. Parts of Speech a adverb a verb a adjective
5. Sentences

ค possible (adjective) $\rho$ admit (verb)
@ hurriedly (adverb)

## MATHEMATICS-5

Answer Key

1. (i) 42 (ii) $1: 55 \mathrm{pm}$ (iii) 1000 (iv) $>$

2 (i) Method I Prime factorization of:
$27=3 \times 3 \times 3$
$54=2 \times 3 \times 3 \times 3$

| 3 | 27 |  | 54 |
| :---: | :---: | :---: | :---: |
| 3 | 9 | 3 | 27 |
|  | 3 |  | 9 |

LCM $=$ (Product of common and uncommon factors)

$$
=(3 \times 3 \times 3) \times 2
$$

## Method II

| 3 | 27,54 |
| :--- | :--- |
| 3 | $9, \quad 18$ |
| 3 | 3,6 |
|  | 1,2 |

$$
\begin{aligned}
\text { LCM } & =3 \times 3 \times 3 \times 2 \\
& =54
\end{aligned}
$$

Multiples of 27: 27, 54, 81, 108, ...
Multiples of 54: 54,108, $162, \ldots$
Common multiples: 54, 108, $\ldots$
LCM: 54
3.
(i) $2 \frac{1}{7}+\frac{5}{14}+\frac{17}{14}$
$=\frac{15}{7}+\frac{5}{14}+\frac{17}{14}$
$=\frac{15 \times 2}{7 \times 2}+\frac{5}{14}+\frac{17}{14}$
$=\frac{30}{14}+\frac{5}{14}+\frac{17}{14}$
$=\frac{30+5+17}{14}$

$$
=\frac{52}{14}
$$

(ii) $\mathbf{2 5 0 . 9 1} \div \mathbf{1 2}$
$=20.90$

$$
=\frac{52 \div 2}{14 \div 2}
$$

$$
=\frac{26}{7}=3 \frac{5}{7}
$$

4. Tehzeeb bakers sold biscuits $=\mathbf{2} 315$

Number of biscuits left= 279
Biscuits they had at first $=2315+279=2594$
524.50 cm

- 280.75 cm
243.75 cm
$\qquad$

25
$\qquad$
10

109
-108
11

- 0

11

## Working

2315
$+\quad 279$

2594
5. Total quantity of sugar $=30 \mathrm{~kg}$
(a) Quantity of sugar used for making 3 dishes $=\frac{2}{3}$ of total quantity

$$
\begin{aligned}
& =\frac{2}{3} \times 30 \mathrm{~kg} \\
= & 2 \times 10 \mathrm{~kg}=20 \mathrm{~kg}
\end{aligned}
$$

(b) Quantity of sugar left $=30 \mathrm{~kg}-20 \mathrm{~kg}=10 \mathrm{~kg}$

# ADMISSION TEST TO GRADE: 5 <br> <br> SCIENCE <br> <br> SCIENCE <br> KEY 

## Q. 1 Fill in the blanks.

(i) consumers
(ii) liquids/gases
(iii) heat
(iv) renewable; non-renewable

## Q. 2 Answer the following questions.

(i) Advantage: lighting a match stick, penetration of the nail into wood or wall, slowing or stopping vehicles by brakes are all possible due to friction. Disadvantage: friction generates heat and noise and wears down things.
(ii) It consists of grooved wheel and a rope. The load is lifted by applying force(effort) on one end of the rope passing over the pulley. Changing the direction of force makes it easier to work.
(iii)

| CONTAGIOUS DISEASES | NON-CONTAGIOUS DISEASES |
| :--- | :--- |
| Difference |  |
| Diseases which can be transmitted from <br> one person to another | Diseases which cannot be transmitted <br> from one person to another |
| Examples |  |
| Flu, covid-19, polio, TB, etc. | Diabetes, cancer, etc. |

(iv) a) It keeps on circulating blood all over the body through blood vessels.
b)


