

Distinction Test Papers

Grade 5

Maths/English/French

English: Model 1

Question 1:

1B ; 2B ; 3D ; 4B ; 5A

Question 2:

- 1 She was having trouble seeing objects that were far away
2. He put special lenses in front of Linda's eyes.
3. She was very happy.
4. An optometrist is an eye doctor. An optician helps you pick out frames for your glasses and fits the lenses.
5. She will be able to see everything clearly.

Question 3:

1. for
2. myself
3. will
4. zoo
5. swarm
6. which
7. cleverer
8. florist
9. lend
10. Although

Question 4:

1. will/go
2. locked
3. comes
4. does/smoke
5. are
6. are sold
7. Are/ listening
8. travelling

Question 5 (Part A):

bus – down – driver – wrong – time – mechanic – help – friends – parents – outside

Question 5 (Part B):

played – tired – engine – friend – home
(or any other acceptable answers)

English Model 2

Answers:

Question 1:

1B ; 2D ; 3B ; 4C ; 5D

Question 2:

1. Your body needs the energy you get from food.
2. Your brains works better To avoid feeling hungry / To have more energy/ T To make your hands and eyes work together better.
3. Protein helps our body and muscles to grow.
4. Fruits and yoghurt.
5. Whole grains, fruits and protein

Question 3:

1. shortest
2. vegetable
3. where
4. anybody
5. to
6. doctor
7. more
8. does
9. themselves
10. team

Question 4:

1. heard
2. will return
3. buys
4. is climbing
5. were working
6. listening
7. was
8. has/finished

Question 5 (Part A):

classroom – friends – boots - winter – cloudy – sneakers – desk – bell – way – front

Question 5 (Part B):

someone – garden – walk – speak – recess
(or any other acceptable answers)

ENGLISH 2017

Question 1

1. Outside the school's gate B
2. The sea was rough C
3. Alone D
4. High up on the mango tree A
5. Obedient C

Question 2

1. The pupils were excited because they were going to spend a day at the seaside.
- 2 Two teachers and the headmaster.
3. Playing football / collecting shells/ building sand castles
4. Because he saw five fierce monkeys high up on the mango tree.
5. He felt ashamed of himself.

Question 3

1. us
2. in
3. which
4. eating
5. heavier
6. themselves
7. wasn't
8. safely
9. pack
10. never

Question 4

1. gives
2. are working
3. used
4. borrow
5. broke
6. was going
7. will miss
8. has landed

Question 5 (part A)

his - reached - hungry - sleep - lights
hiding - goods - hesitating - door - loudly

Question 5 (part B)

they - fast - swim - with - much

ENGLISH 2018

Question 1

1. stupid B 2. the king C 3. disappointed D
4. sat down A 5. The clever wife B

Question 2

- (i) He cut the customer's ears instead of their hair
(ii) While shaving the customer, he cut their cheeks
- Because it was a piece of unused land which was found far outside the city.
- The plan of the wife was to have the land ploughed.
- Because he went to call his companions as soon as the barber's wife went home.
- By selling the vegetables which she grew in the field.

Question 3

1. crowd 2. any 3. firemen 4. which 5. Although
6. strongest 7. of 8. ourselves 9. off 10. saw

Question 4

1. washes 2. caught 3. will take 4. am
5. reached 6. swimming 7. is waiting 8. were playing

Question 5 (part A)

born - younger - famous - idea - travelling -
immediately - to - every - with - when

Question 5 (part B)

writing - and - her - like - countries

ENGLISH 2019

Question 1

- many people came to see them D
- family C
- wanted to have popcorn B
- excited A
- animals B

Question 2

- (i) The performance of the circus animals.
(ii) The clowns throwing balls in the air.
- Because they didn't want to miss the show.
- (i) When they jumped high in the air.
(ii) When they moved their bodies in different ways.
- They were impressed.
- Because she had spent a wonderful moment at the circus.

Question 3

1. under 2. best 3. its 4. themselves 5. who
6. much 7. as 8. courageously 9. mechanic \ 10. didn't he

Question 4

1. finished 2. is playing 3. borrows 4. take
5. close 6. will stay 7. have seen 8. was sleeping

Question 5 (part A)

1. well 2. early 3. Friendly 4. making 5. chance
6. very 7. So 8. in 9. herself 10. changed

Question 5 (part B)

1. give 2. surprised 3. returned 4. said 5. to

ENGLISH 2021

Question 1

- 1D 2A 3C 4B 5B

Question 2

- Mrs Joe forced Reva to work hard all day.
- Reva gave the old woman water to drink.
- Everytime Reva speaks, a jewel will come out of her mouth.
- Mrs Joe wanted Tara to receive the same gift as Reva.
- Because Mrs Joe had no other choice as she knew Reva would help her to become wealthy.

Question 3

1. isn't 2. to 3. ourselves 4. their 5. some 6.
fastest 7. but 8. who 9. courageous
10. bunch

Question 4

1. repairs 2. will go 3. celebrated 4. finishing 5.
are reading 6. rains 7. carry 8. has left

Question 5 (Part A)

on, storm, strong, passengers, his, danger,
losing, my, shouted, grateful

Question 5 (Part B)

was, and, they, that, went

Question 6

- The weather is sunny.
- A man is cutting down a tree with an axe.
- A boy is feeding the ducks near the lake.
- A beautiful girl is putting some grains to make the plants grow healthier.
- A boy is planting several flowers/plants.
- Some birds are flying in the sky.
- A cute girl is picking fruits and put them in a basket.

8. The picture shows a beautiful place with a lake and a mountain range.

English 2022

Question 1

1B 2C 3C 4D 5A

Question 2

- The frog refused to be friend with the elephant.
- The rabbit said that the elephant is big and will crush him if the play together.
- Because the elephant is big and she will destroy the tress where the monkey live in.
- There will be no water left in the pond.
- Jumbo ran after the tiger and gave him a big kick.
- No matter how you look, you can still be a very good friend.

Question 3

- in 2. themselves 3. few 4. more expensive
- because 6. this 7. mechanic 8. won't you
- flock 10. yet.

Question 4

- are 2. baked 3. will meet 4. saw
- do 6. eating 7. is cooking 8. were fighting

Question 5 (part A)

time, enough, worried, wondered, near,
look, her, best, do, that

Question 5 (Part B)

wake, the, dirty, with, beautiful

Question 6

- It is a rainy day.
- There are some students in the school yard.
- A parent is accompanying his daughter at school.
- Some kids are jumping in puddle.
- A boy is running while holding a book above his head .
- The students are wearing raincoat.
- A girl is carrying an umbrella.
- A bus is splashing water on a passerby.
- Two students with their bag on their back are running towards the bus.

French

Model 1

Question 1:

1D 2A 3C 4D 5B 6A 7D 8B 9C 10A

Question 2A

- Nous ne nettoyons pas la maison de fond en comble.
- Le motocycliste n'évite pas le chien.

Question 2B

Phrases affirmatives: i. Sara va à l'école.

Phrases interrogatives. Est-ce que cette fille est malade ?

Question 3

- sous (c) large (d) assoient (e) murmure (f) à

Question 4

- font (b) jouant (c) a parlé (d) faisais
- achèterai (f) Fermez (g) mangeaient
- a donné

Question 5

- La robe que maman repasse est rouge.
- Il va à la gare où il prend le bus.
- Pendant que papa répare la voiture, mon frère fait le jardinage
- Anna va voir un médecin parce qu'elle est souffrante.
- Vous voulez aller à la boutique pour acheter des bonbons.

Question 6

nuages - pleuvoir - pluie - triste - amis
grands - rivière - arrêt - tombant - carreaux

Question 7

- chanteur (b) rouges (c) tremblement (d) longueur
- travaux

French Model 2

Question 1

1D 2B 3A 4A 5B 6A 7B 8C 9C 10D

Question 2A

- La petite fille n'embrasse pas sa mère avant de partir.
- Pendant le weekend, nous ne ratissons pas les allées.

Question 2B

- Phrase affirmative:** Jean est un joueur de football.
- Phrase interrogative:** Est-ce qu'elles sont contentes de rester à la maison ?

Question 3

- école (c) goûter (d) pour (e) tout (f) plus

Question 4

- (a) achète (b) jouez (c) écrire (d) suivant
(e) descendait (f) dormirez (g) as bu (h) a mangée

Question 5

- (a) Papa prend l'arrosoir et arrose les plantes.
(b) Rita est rentrée à la maison car elle est souffrante.
(c) Le tsunami qui s'approche détruira tout sur son passage.
(d) Dès que Madam Ah Moy arrive chez sa patronne, elle fait le ménage.
5. Après avoir soufflé les bougies, Mira coupe le gâteau.

Question 6

maison - à - prudent - regarder - Quelle - en -
qui - sa - très - ils

Question 7

- (a) Heureusement (b) torrentielles (c) circulation
(d) bruyante (e) lentement

French 2017

Question 1

- a) ne parle pas du tout D (b) garde les moutons A
(c) agneau D (d) va faire nuit B
(e) se fait du souci B (f) était dans le lac C
(g) sauver l'agneau D (h) parler B
(i) d'entendre son fils parler C (j) Courageux A

Question 2 A

1. Rajeev ne cueille pas de fleur pour Manisha.
2. La dame n'a pas eu peur en voyant le singe.

Question 2 B

- i. **Interrogative:** Ranges – tu ton cartable?
ii. **Affirmative:** Les joueurs sont là.

Question 3

- (a) Milieu (b) peur (c) fatiguée (d) petite
(e) reposer (f) sommeil

Question 4

- (a) achetez (b) avait (c) dormirai (d) Bois
(e) franchissant (f) a vu (g) construit (h) gronder

Question 5

- (a) La petite fille qui porte une robe bleue est ma cousine.
(b) Les automobilistes allument les phares parce qu'il fait nuit.
(c) J'ai regardé le film dont tout le monde parle.
(d) Comme maman avait oublié son parapluie, elle est toute trempée.

- (e) Nous sommes retournés sur la plage où un dauphin s'était échoué.

Question 6

1. passe 2. miaulement 3. aux 4. grains
5. chasse 6. facilement 7. près 8. le
9. montrer 10. affectueux

Question 7

- (a) voyage (b) soigner (c) circulation
(d) silencieusement (d) houleuse

French 2018

Question 1

- (a) B (b) C (c) D (d) B (e) B
(f) D (g) A (h) C (i) C (j) A

Question 2 A

- i. Ma mère et mon père ne vont pas à la plage.
ii. Le garçon n'a pas sali ses vêtements.

Question 2 B

- (i) **Affirmative:** Elles sont arrivées à l'heure.
(ii) **Interrogative :** Le chien a-t-il aboyé pendant la nuit?

Question 3

- (a) dans (b) sales (c) plastique (d) mauvaise
(e) et (f) propre

Question 4

- (a) ont fait (b) salissons (c) Ouvre (d) se lève
(e) irons (f) lisait (g) soient (h) courant

Question 5

- (a) Tikoulou qui est un bon coureur, s'entraîne régulièrement.
(b) La maison où j'habite est détruite.
(c) Dan s'est blessé quand il a fait une chute.
(d) Samu n'est pas venu à l'école parce qu'il est malade.
(e) Tu me parles d'un film dont le titre est "Rex".

Question 6

1. petites 2. excités 3. peur 4. accueillir
5. maison 6. pour 7. sortir 8. du 9. entre

Question 7

- (a) gagne (b) sportive (c) prudent
(d) soigneusement (e) orageux

French 2019

Question 1

1. B 2. D 3. A 4. B 5. C
6. C 7. C 8. B 9. A 10. D

Question 2A

- i. Le enfants ne vont pas à la plage.
- ii. Pierre n'a pas sali ses vêtements en jouant.

Question 2B

- i. **Affirmative:** Tu prends le bus pour rentrer.
- ii. **Interrogative:** Est ce que le marchand a vendu tous ses légumes?

Question 3

- (a) école (b) réciter (c) aide (d) jours
- (e) écoute (f) félicite

Question 4

- (a) part (b) faites (c) irons (d) est venu
- (e) lisait (f) dire (g) se promènera (h) jouant

Question 5

- a. La fille qui porte une robe bleue est ma soeur.
- b. Quand la cloche sonne, les élèves sortent de la classe.
- c. Reena est allée à Souillac ou elle a visité le musée.
- d. Le chemin que vous prenez est long.
- e. Grand-père est vieux mais il peut toujours lire sans lunettes.

Question 6

- 1. par 2. car 3. qui 4. achète 5. répond
- 6. sur 7. imprudent 8. route 9. et 10. bosse

Question 7

- (a) fin (b) rentrée (c) cyclonique
- (d) nationale (e) chanceux

French 2021

Question 1

- (a) C (b) A (c) B (d) B (e) C (f) D (g) B
- (h) D (i) C (j) A

Question 2A

- (i) La voiture ne roule pas vite.
- (ii) Chris n'attend pas sa mère.

Question 2B

- (i) A-t-il cassé le jouet ? / Est-ce qu'il a cassé le jouet ?
- (ii) Yohan est arrivé.

Question 3

- (b) rentrée (c) trac (d) écrire (e) sac / cartable
- (f) a salué.

Question 4

- (a) sont venues (b) regardant (c) descendent
- (d) habitait (e) offriront (f) Finis (g) partager

- (h) serai

Question 5

- (a) L'homme qui est assis sur le banc est mon oncle.
- (b) Les enfants crient car ils ont peur.
- (C) Comme je suis en retard, je me dépêche.
- (d) Toby est malade mai il va quand même à l'école.
- (e) La dame que tu vois est très jolie.

Question 6

- qui, petit, lentement, choisir, jamais, pantalon, cours, de, larmes, réponds

Question 7

- (a) rapidement (b) pluvieux (c) jardinage (d) sortie
- (e) bel

French 2022

Question 1

- (a) D (b) C (c) A (d) C (e) B (f) C
- (g) A (h) B (i) B (j) C

Question 2A

- (i) Les filles ne vont pas jouer dans la cour.
- (ii) Jean n'a pas reçu de train pour son anniversaire.

Question 2B

- (i) Il est en retard pour son travail.
- (ii) Les animaux ont-ils peur du lion ?

Question 3

- (a) dessin (b) participer (c) jours (d) joli
- (e) gagnante (f) fiers

Question 4

- (a) sifflant (b) irons (c) es (d) prenait
- (e) sont venus (f) jouez (g) frapper (h) Finissez

Question 5

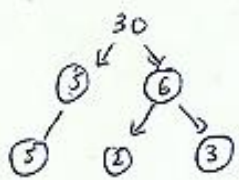
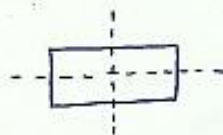
- (a) Le monsieur qui parle au directeur est mon père.
- (b) Bébé pleure parce qu'il a faim.
- (c) Cette robe est belle mais chère.
- (d) Le village ou il habite se trouve dans le sud.
- (e) Tout le monde se met à l'abri quand in pleut.

Question 6

- préparer, soigneusement, au, tous, beau, régaler, tabouret, mais, ouvre, punition.

Mathematic Model 1

Mathematics - Model 1.

- 1) 4262.
 2) 3520.
 3) 5682.
 4) 2615.
 5) 852.
 6) 54.
 7) 81
 8) $\frac{3}{10}$
 9) 3866, 4312, 5229, 8220.
 10) $(77 - 4 \cdot 3) = 3 \cdot 4$
 11) $(2 \times 1000) + (4 \times 100) + (6 \times 10) + (8 \times 1)$
 12) 140
 13) 100, 125.
 14) $(60 \div 30) = 90 \text{ min}$
 15) 48 years 1 month.
 16) 
 17) $\frac{4 \times 4 \times 4}{4 \times 4} = 4$
 18) 
 19) $\frac{2}{6} + \frac{1 \times 2}{3 \times 2} = \frac{2}{6} + \frac{2}{6} = \frac{4}{6}$ or $\frac{1}{3}$
 20) a) $(3000 + 500) = 3500 \text{ g.}$
 b) $\frac{200}{100} = 2 \text{ m.}$
 21)
$$\begin{array}{r} 3 \overline{) 1215} \\ \underline{4,5} \end{array}$$
 L.C.M = $3 \times 4 \times 5 = 60 \rightarrow \text{C.}$
 22) kite $\rightarrow \text{C.}$

- 23) february $\rightarrow \text{C.}$
 24) $\frac{1}{2 \times 6} \rightarrow \text{D}$
 25) 4 $\rightarrow \text{B.}$
 26) $\frac{1}{2} \times 6 \times 7 = 42 \text{ cm}^2 \quad \text{C}$
 27) 30 $\rightarrow \text{B.}$
 28) B
 29) 4 oranges = 16.
 1 orange = $\frac{16}{4} = 4$.
 12 oranges = $(4 \times 12) = \text{Rs } 48 \rightarrow \text{D.}$
 30) Blue : Red.
 18 : 24 $\div 6$.
 3 : 4. $\rightarrow \text{B.}$
 31) $\frac{18}{100} = 0.18 \rightarrow \text{B.}$

32) A.

33



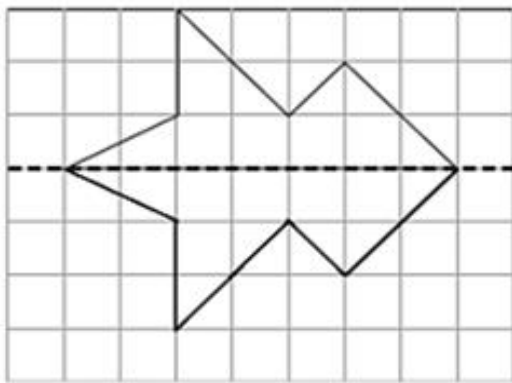
- 34) spends = $\left(\frac{2}{18} \times 250\right) = \text{Rs } 50$. $\frac{27}{50}$
 left = $(250 - 50) = \text{Rs } 200$.

- 35) a) 12 : 15 $\div 3$
 4 : 5

- b) Boys : Girls : Total. $\frac{42}{7} = 6$
 3 : 4 $\times 6$: 7 $\times 6$.
 24 : 42
 Girls = 24 \leftarrow

- 36) $\frac{2350}{5} = \text{Rs } 470$.

39)



$$38) \text{ women} = (2642 + 1246)$$

$$(a) = 3888$$

$$(b) \text{ people} = (3888 + 1453 + 2642) = 7983$$

$$39) \text{ spend in all} = \frac{2}{9} + \frac{1}{3} \times 3$$

$$(a) = \frac{2}{9} + \frac{3}{9} = \frac{5}{9} \leftarrow$$

$$(b) \text{ left} = \left(1 - \frac{5}{9}\right) = \frac{4}{9}$$

$$40) (a) \text{ perimeter} = (725 + 334 + 725 + 334)$$

$$= 2118 \text{ cm or}$$

$$= 21 \text{ m } 18 \text{ cm} \leftarrow$$

$$(b) \text{ Area} = (12 \times 12) = 144 \text{ cm}^2$$

$$41) (a) \text{ Average} = \frac{55 + 67 + 73}{3}$$

$$= \frac{195}{3} = 65 \text{ g} \leftarrow$$

$$(b) (i) \text{ Total} = (80 \times 3) = 240 \text{ g}$$

$$(ii) \text{ mango + orange} = (90 + 65)$$

$$= 155 \text{ g}$$

$$\text{Pear} = (240 - 155) = 85 \text{ g} \leftarrow$$

42) (a). Badminton and tennis.

(b) Soccer.

(c) Handball.

$$(d) (70 + 30) = 100$$

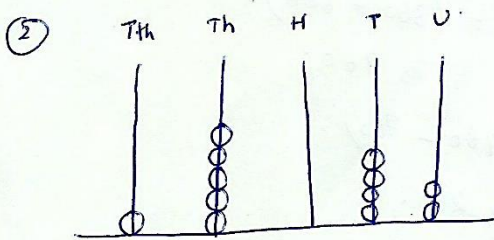
$$(e) (70 - 40) = 30$$

$$(f) (70 + 30 + 40 + 30 + 20) = 190$$

$$(g) \frac{40}{190} = \frac{4}{19}$$

Mathematics - Model : 2

1) Six thousand five hundred and thirty



3) 2029, 2209, 2290

4) 3859

5) 2221

6) 3005

7) 463

8) 64215

9) 56, 49

10) 2.57

11) $\frac{55}{8}$

12) 54.5

13) $5\frac{1}{3} - 2\frac{1}{2} = \frac{16}{3 \times 2} - \frac{5}{2 \times 3}$

$$= \frac{32}{6} - \frac{15}{6} = \frac{17}{6}$$

$$= 2\frac{5}{6} \leftarrow$$

14) (i) $\frac{5}{10} = 0.5 \text{ mm} \leftarrow$

(ii) $\frac{200}{10} = 20 \text{ CL} \leftarrow$

15) $4^2 \div 4^2 = 16 \div 16 = 1$

16) $25 \times 25 = 625 \text{ cm}^2$

17) $(12 \times 5) = 60$

18) Loss = $(25000 - 21500)$
 $= \text{Rs } 3500 \leftarrow$

19) Sheila Tina.
 $15 \quad 25 \quad 2 \div 5$
 $3 \quad 5$

$$\begin{array}{r} 63 \quad 56 \\ -7 \quad -7 \\ \hline 56 \quad 49 \end{array}$$

$$\begin{array}{r} 5 \quad 10 \\ 56 \cdot 0 \\ -1 \cdot 5 \\ \hline 54 \cdot 5 \end{array}$$

$$\begin{array}{r} 25 \\ -10 \\ \hline 15 \end{array}$$

20) Quarter past seven.

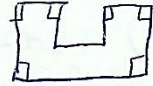
21) $\frac{2}{3} \times \frac{4}{6} = \frac{2}{3} \rightarrow C$

22) 0.14 $\rightarrow C$

23) D

24) $9^3 \rightarrow A$

25) 6 $\rightarrow C$



26) 0 $\rightarrow D$

27) 1 turn = 4 right angle.

$$\frac{3}{4} \text{ turn} = \left(\frac{3}{4} \times 4\right) = 3$$

$$\text{Total} = (4+3) = 7 \rightarrow B$$

28) 1, 4, 9, 16, 25, 36, 49

Ans: C

29) 7 kg $\rightarrow \text{Rs } 140$

1 kg $\rightarrow \text{Rs } 20$

9 kg $\rightarrow (20 \times 9) = \text{Rs } 180 \rightarrow B$

30) $\frac{450}{9} = 50 \text{ cm} \rightarrow A$

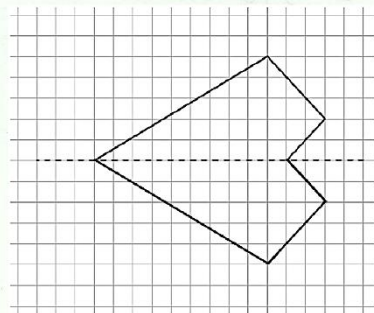
31) $\frac{1}{1000} \rightarrow D$

32) $(1500 \times 4) = 6000 \text{ ml} = 6 \text{ L} \rightarrow D$

33) intersecting $\rightarrow C$

34) $\frac{9}{12} = \frac{3}{4} \rightarrow C$

35)



36) Simon = 67 kg. ←

$$\begin{array}{r} 74 \\ - 7 \\ \hline 67 \end{array}$$

Total = (67 + 74)
= 141 kg. ←

37) (i) (4 × 2) = 8

(ii) (5 × 4) - (3 × 4)
20 - 12 = 8

(iii) (3 + 2 + 5 + 2) = 12
(12 × 4) = 48

(iv) Yash and Nadia.

38 (i) (05 35 + 200) = 07 35.

(ii) (06 30 - 15 min) = 06 15.

39 (i) apples oranges. More. $\frac{24 \times 8}{3}$

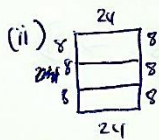
8.	5	:	8	2 × 8.	3.	2 × 8
	40		64		24	

apples = 64. ←

(ii). (64 + 40) = 104

40 (i) (24 × 8) = 192 cm².

$$\begin{array}{r} 24 \\ \times 8 \\ \hline 192 \end{array}$$



Perimeter = (24 + 8 + 8 + 24 + 8 + 8)
= 96 cm.

(iii) Area = (24 × 24)
= 576 cm².

41 Buying price = Rs 700

rotten = 40.

Remaining = (400 - 40) = 360.

($\frac{1}{2}$ × 360) = 180.

3 oranges = Rs 10.

1 orange = $\frac{10}{3}$.

180 oranges = ($\frac{10}{3}$ × 180) = Rs 600.

1 orange = Rs 2.
180 oranges = (2 × 180) = Rs 360.
Selling price = (360 + 600)
= Rs 960.

Profit = (960 - 700)
= Rs 260.

42) (i) 10

(ii) (8 - 2) = 6.

(iii) orange and yellow.

(iv) 10 : 5
2 : 1.

(v) (8 + 10 + 2 + 5 + 9 + 4 + 5)
= 43.

2017

1) 3154

2) 976

3) 624

4) 1284

5) 312

6) 2413

7) 37, 49

8) 753, 735, 375, 357

9) sum = $17 + 37 = 54$.

Average = $\frac{54}{2} = 27$

10)
$$\begin{array}{r} 7 \quad 10 \\ 8.1 \\ -5.2 \\ \hline 2.9 \end{array}$$

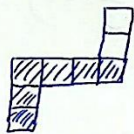
11) 3527

12) 2, 5, 8, 11, 14, 17

13) $(5 + 6 + 9) = 20$ cm

14) Area = $(16 \times 7) = 112$

15) no. of squares = 8.
 $\frac{3}{4} \times 8 = 6$



16) 6 : 10
3 : 5

17) $\frac{14}{7} = \left(\frac{11}{8} \times \frac{8}{56}\right) = 88 \leftarrow$

18) $3^2 - 2^2 = 9 - 4 = 5 \leftarrow$

19) $\frac{1}{4} \times 360 = 90^\circ$.

North \leftarrow



20) a) $\left(\frac{1}{4} \times 1000\right) = 250$ ml.

(b) $\frac{300}{100} = 3$ m.

21) C.

22) $\frac{3 \times 2}{5 \times 2} = \frac{6}{10} = 0.6$ Ans = B.

23) A.

24) $\frac{2 \times 2}{3 \times 2} = \frac{4}{6}$ Ans = D

25)
$$\begin{array}{r} 89 \overline{) 60} \\ -750 \\ \hline 110 \end{array}$$
 Ans = D.

26) 49 Ans = C.

27) Area = $\left(\frac{1}{2} \times 20 \times 21\right) = 210$ cm² Ans: C.

28) $(953 - 528) = \text{Rs } 425$ Ans: D

29) A.

30) B.

31) D.

32) $8\frac{1}{2} = (8000 + 500) = 8500$ g.

1 packet = $\frac{8500}{5} = 1$ kg 700 g Ans: B.

33) 8 \rightarrow Rs 72

1 \rightarrow $\frac{72}{8} = \text{Rs } 9$.

12 \rightarrow $(9 \times 12) = \text{Rs } 108$

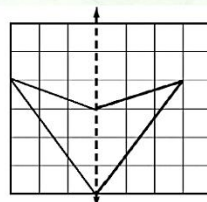
34) pen + copybook = $(17.85 + 19.90)$
= Rs 37.75

left = $(200 - 37.75) = \text{Rs } 162.25$

35) Red = $\left(\frac{3}{8} \times 40\right) = 15$

Green = $(40 - 15) = 25$.

36)



37 (a)

$$\begin{array}{r} 315 \\ 18 \overline{) 5670} \\ \underline{54} \\ 27 \\ \underline{18} \\ 90 \end{array}$$

$18 \times 1 = 18$
 $18 \times 2 = 36$
 $18 \times 3 = 54$
 $18 \times 4 = 72$
 $18 \times 5 = 90$

Ans = 315 \leftarrow

(b) 200 ml = $\frac{200}{10} = 20$ cl.

$(55 + 20) = 75$ cl \leftarrow

(c) wife = $\left(\frac{2}{5} \times 6300\right) = 2520$
 9 nephews get = $(6300 - 2520) = 3780$
 1 nephew = $\frac{3780}{9} = \text{Rs } 420$

38(a) length = $\frac{840}{24} = 35 \text{ cm}$

(b) Total 3 numbers = $(56 + 66 + 83) = 206$
 Total of 4 numbers = $(70 \times 4) = 280$
 Fourth number = $(280 - 206) = 74 \leftarrow$

(c) Ali Ravi More Total
 3 : 7 4 : 10 $\frac{56}{4} = 14$
 $56 \downarrow 14$ $140 \downarrow 14$

Ans = 140 beads \leftarrow

39) (i) 8 boxes = $(105 \times 8) = \text{Rs } 840$

(ii) 72 oranges = $\text{Rs } 792$

Total number of oranges = $(15 \times 8) = 120$

remaining = $(120 - 72) = 48$

1 orange = $\text{Rs } 13$

48 oranges = $(13 \times 48) = 624$

Total money obtain = $(792 + 624) = \text{Rs } 1416 \leftarrow$

(iii) Profit = $(1416 - 840) = \text{Rs } 576 \leftarrow$

40) (a) - Blue

(b) $6 \times 5 = 30$ medals

(c) $(4 - 2) = 2$
 $2 \times 5 = 10$ medals \leftarrow

(d) Total = $(3 + 2 + 6 + 4) = 15$
 Medals = $(15 \times 5) = 75$ medals \leftarrow

(e) Total medals for yellow = 30

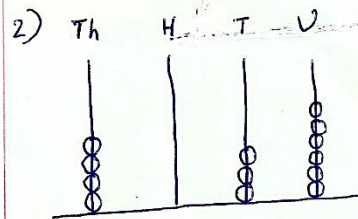
Silver + bronze = $\frac{2}{5} + \frac{1}{3} = \frac{2 \times 3}{5 \times 3} + \frac{1 \times 5}{3 \times 5} = \frac{6}{15} + \frac{5}{15}$

Gold = $1 - \frac{11}{15} = \frac{4}{15}$

Gold medals = $\left(\frac{4}{15} \times 30\right) = 8 \leftarrow$

2018

1) 3142



3) $(2 \times 100) + \dots + (6 \times 1)$

4) 3265, 3526, 3625

5) 9768

6) 1720

7) 2739

8) 601

9) 38, 33

10) $(6.3 - 3.1) = 3.2$

11) $3^2 \div 3^2 = \frac{9}{9} = 1$

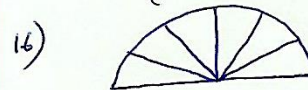
12) $\left(\frac{4}{3} \times 56\right) =$

13) 3.34

14) (a) $\left(\frac{3}{4} \times 100\right) = 75 \text{ CL}$

(b) $200 \text{ mm} = \frac{200}{10} = 20 \text{ cm}$
 $= \frac{20}{100} \text{ m}$
 $= \frac{2}{10} = \frac{1}{5} \text{ or } 0.2 \text{ m} \leftarrow$

15) Area = $\left(\frac{1}{2} \times 12 \times 8\right) = 48 \text{ cm}^2$



17) $3\frac{1}{4} + 5\frac{3}{8} = 8\left(\frac{1}{4} + \frac{3}{8}\right)$
 $= 8\left(\frac{2}{8} + \frac{3}{8}\right) = 8\frac{5}{8} \leftarrow$

18) 14 pupils = 1 bus

1 pupil = $\frac{1}{14}$

84 pupils = $\left(\frac{1}{14} \times 84\right) = 6$ buses \leftarrow

2018 (Continue).

19.



20)

$$\begin{array}{r} 62 \text{ } 11 \\ - 5 \text{ } 9 \\ \hline 57 \text{ } 2 \end{array} \quad 57 \text{ years } 2 \text{ months } \leftarrow$$

21) 5 cm \rightarrow A.

22) A

23) pentagon \rightarrow C.

24) 0.13 \rightarrow B.

25) 3 right angles \rightarrow C.

26)

27)

pink	blue	
72	24	$2 \div 12$
6	2	
3	1	\rightarrow D.

28) 4 pears = Rs 32.

$$1 \text{ pear} = \frac{32}{4} = 8.$$

$$9 \text{ pears} = (8 \times 9) = 72 \rightarrow B.$$

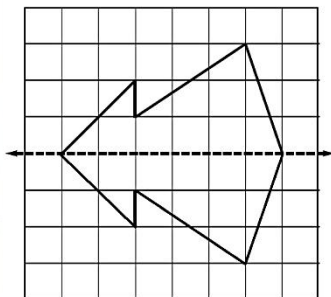
29)

30) A.

$$31) \frac{2880}{12} = 240 \rightarrow C.$$

32) 49 \rightarrow C.

33)



$$34) 35 + 35 = 70 \text{ minutes} = 1 \text{ hour } 10 \text{ min.}$$

$$\text{morning break} = (9.00 + 1.10) = 10.10 \leftarrow$$

$$35) \text{ Children} = \left(\frac{3}{5} \times 4205\right) = 2523.$$

$$\text{Adults} = 4205 - 2523 = 1682 \leftarrow$$

$$36) \text{ Ajay} = (76425 \times 2) = 152850$$

$$37) \text{ (a) Father} = \frac{1}{3}.$$

$$\text{Brothers} = \left(\frac{1}{6} \times 3\right) = \frac{3}{6}$$

$$\text{Total} = \left(\frac{1}{3} + \frac{3}{6}\right) = \frac{1 \times 2}{3 \times 2} + \frac{3}{6}$$

$$= \frac{2}{6} + \frac{3}{6} = \frac{5}{6} \leftarrow$$

$$\text{(b) (i) } \text{Buy} = 50 \text{ kg} = 50 \times 1000 = 50000 \text{ g.}$$

$$\text{N}^\circ \text{ of packets} = \frac{50000}{500} = 100.$$

$$\text{(ii) } 1 \text{ packet} = \text{Rs } 48.50.$$

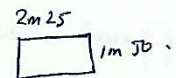
$$100 \text{ packets} = (48.50 \times 100) = 4850. \leftarrow$$

$$\text{(ii) } \text{Buying price} = (4850 - 1745) = \text{Rs } 3105 \leftarrow$$

$$38) \text{ (a) } \begin{array}{r} 253 \\ 23 \overline{) 5824} \\ \underline{46} \\ 122 \\ \underline{115} \\ 74 \\ \underline{69} \\ 5 \end{array}$$

$$\begin{array}{l} 23 \times 1 = 23 \\ 23 \times 2 = 46 \\ 23 \times 3 = 69 \\ 23 \times 4 = 92 \\ 23 \times 5 = 115 \\ 23 \times 6 = 138 \\ 23 \times 7 = 161 \\ 23 \times 8 = 184 \end{array}$$

$$\text{b(i) } \text{Perimeter} = (225 + 150 + 225 + 150) = 750 \text{ cm.}$$



(ii)



(iii)

$$39) \text{ (a) } 15 \text{ guests} = (240 \times 15) = 3600 \text{ mL.}$$

$$\text{left} = 400 \text{ mL}$$

$$\text{Total} = (3600 + 400) = 4000 \text{ mL.}$$

$$= 4 \text{ Litres } \leftarrow$$

$$\text{b(i) } \text{Total} = (37 \times 4) = 148.$$

$$\text{(ii) } \text{class } 1, 2 \text{ and } 3 = (39 + 38 + 36) = 113.$$

$$\text{class } 4 = (148 - 113) = 35$$

40) (i) May.

(ii) 40 mm.

(iii) January and April

$$\text{(iv) } (120 + 160 + 140 + 120 + 100) = 640 \text{ mm.}$$

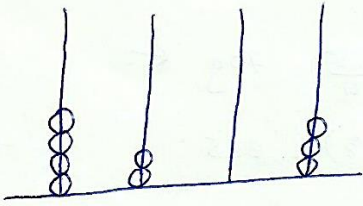
$$\text{(v) } \left(\frac{640}{5}\right) = 128 \text{ mm.}$$

$$\text{(vi) } \frac{166}{640} = \frac{16}{64} = \frac{4}{16} = \frac{1}{4}$$

2019

1) 5361

2) Th H T U



3) 7842, 7482, 7428

4) 9748

5) 6418

6) 3652

7) 701

8) $(3 \times 1000) + (4 \times 100) + (7 \times 10) + (6 \times 1)$

9) $\frac{39}{31}, 35, \frac{31}{4}$

$$\begin{array}{r} 35 \\ -4 \\ \hline 31 \end{array} \quad \begin{array}{r} 43 \\ -4 \\ \hline 39 \end{array}$$

10) $(7 \cdot 6 - 5 \cdot 4) = 2 \cdot 2$

11) $1\frac{2}{5} = \left(\frac{7}{5} \times 30\right) = 42$

12) 2.97

13) $4^2 \div 2^2 = 16 \div 4 = 4$

14) (a) $(0.75 \times 100) = 75 \text{ cl.}$

(b) $\frac{300}{1000} = 0.3 \text{ or } \frac{3}{10} \text{ kg.}$

15) $3\frac{1}{6} + 2\frac{2}{3} = \frac{19}{6} + \frac{8 \times 2}{3 \times 2}$
 $= \frac{19}{6} + \frac{16}{6} = \frac{35}{6} = 5\frac{5}{6} \leftarrow$

16) $13 \times 1 = 13$

$13 \times 2 = 26$

$13 \times 3 = 39$

$13 \times 4 = 52$

$13 \times 5 = 65$

$13 \times 6 = 78 \rightarrow$

6 marbles \leftarrow

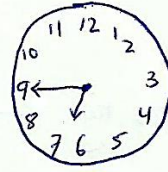
17) Area = $\left(\frac{1}{2} \times 5 \times 8\right) = 20 \text{ cm}^2$

18) Selling Price = $(2500 - 500) = \text{Rs } 2000$

19) $2:3 \xrightarrow{\times 30} \frac{60}{90}$ Total $\frac{5}{150} \xrightarrow{\times 30} \frac{150}{450} = 30$

length of longer = $(3 \times 30) = 90 \text{ cm.}$

20)



21) $\frac{1}{625} \rightarrow D$

22) D

23) pentagon - 5 sides $\rightarrow C$

24) $\frac{17}{1000} = 0.017 \rightarrow C$

25) p and r $\rightarrow A$

26) 3 right angles $\rightarrow C$

27) Ali : Bushir
 $30 : (50+30) = 80$
 $3 : 8$

28) D

29) 6 pens $\rightarrow \text{Rs } 48$
 1 pen $\rightarrow \frac{48}{6} = 8$

4 pens $\rightarrow (8 \times 4) = 32 \rightarrow B$

30) $\begin{array}{r} 125 \\ + 23 \\ \hline 148 \end{array} \text{ cm} \rightarrow A$

31) $\frac{5700}{5} = 1150 = 1 \text{ kg } 150 \text{ g} \rightarrow C$



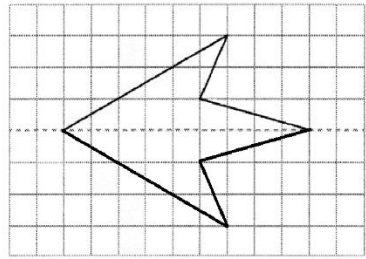
32) 1 $\rightarrow B$

33) 81 $\rightarrow A$

34) $\frac{14}{4} = 3\frac{3}{4}$

$\therefore 4 \text{ Cars} \rightarrow B$

- 1) 7203
- 2) 5974
- 3) pentagon
- 4) $(3 \times 100) + (4 \times 10) + (7 \times 1)$
- 5) 6814
- 6) 8231
- 7) 6309
- 8) 843
- 9) 5763, 6753, 7365
- 10) 12600
- 11) $3^2 + 2^3 = 9 + 8 = 17$
- 12) $\frac{1}{2} \div \frac{3}{1} = \frac{1}{2} \times \frac{1}{3} = \frac{1}{6} \leftarrow$
- 13) 8.5
- 14) $\frac{4}{3} = 1\frac{1}{3}$
- 15) $(2 \times 60) = 120$ seconds
- 16) $(13000 - 7000) = 6000$
- 17) $\frac{6}{12}$ or $\frac{1}{2}$
- 18) $\frac{2}{3} \times \frac{9}{27} = \frac{18}{81} = \frac{2}{9}$
- 19) (a) 2.
(b) 3.
- 20) Tens \rightarrow B.
- 21) $(5 \times 1000) = 5000$ mL \rightarrow C
- 22) 0.23 \rightarrow C.
- 23) 1 line \rightarrow B.

- 24) D.
- 25) A.
- 26) $(2.5 \times 1000) = 2500$ g \rightarrow B.
- 27) 2.2 cm \rightarrow A.
- 28) $\frac{3}{4}, \frac{1}{2}$.
- 29)  is less than a right angle.
 is greater than a right angle.
- 30)
$$\begin{array}{r} 08\ 27 \\ -07\ 12 \\ \hline 1\ 15 \end{array}$$
 1h 15 min \leftarrow
- 31) $(\frac{1}{2} \times 3 \times 4) = 6$ cm² \leftarrow
- 32) Total = $(12 + 15) = 27$.
Fraction of girls = $\frac{15}{27}$ or $\frac{5}{9} \leftarrow$
- 33) 
- 34) Tom = 50
Jerry = $(50 - 15) = 35$.
Altogether = $(50 + 35) = 85$
- 35) (a) 6 chairs = 2538
1 chair = $\frac{2538}{6} = 423$.
11 chairs = $(423 \times 11) = 4653$

35 (b) Given = $(105 \times 3) = 315 \text{ cm}$
 left = $(540 - 315)$
 $= 225 \text{ cm}$
 $= 2 \text{ m } 25 \text{ cm} \leftarrow$

36) water = 105 CL.
 juice = 200 mL = $\frac{200}{10} = 20 \text{ CL}$.
 Mixture = $(105 + 20) = 125 \text{ CL}$.
 5 cups = 125 CL.
 1 cup = $\frac{125}{5} = 25 \text{ CL} \leftarrow$

37) (a) (i)

- (ii) 30°C
- (iii) Wednesday.
- (iv) Monday & Thursday.
- (v) $(35 - 30) = 5^\circ \text{C}$.

(b) (i) Sum = $(\frac{1}{3} \times 630) = 210$
 Ben = $(\frac{5}{9} \times 630) = 350$
 Total given = $(210 + 350) = 560$
 (ii) left = $(630 - 560) = 70$

38 (a) (i) $(13 + 6) = 19$

(ii) $5^2 = 25 \leftarrow$

(iii) $\frac{2}{2} = 1 \leftarrow$

(iv) $(9 \times 3) = 27$

(v) $\frac{4}{10}$ or $\frac{2}{5} \leftarrow$

(b) BP = $(300 \times 7) = \text{Rs } 2100$
 SP = $(290 \times 10) = \text{Rs } 29000$
 Profit = $(2900 - 2100) = \text{Rs } 800 \leftarrow$

39 (a) (i) Laxmi = $(6700 - 1300)$
 $= \text{Rs } 5400$

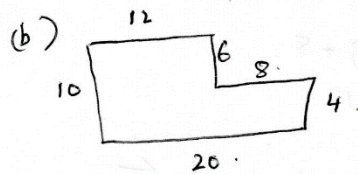
(ii) Altogether = $(6700 + 5400)$
 $= \text{Rs } 12100$

(b) $\frac{33}{6}$ constant = $5 \frac{3}{6}$

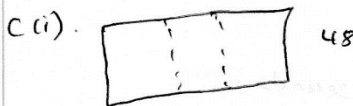
smallest number of packs = 6 \leftarrow

(c) 1 Adult = $\text{Rs } 200$
 2 Adults = $(200 \times 2) = 500$
 2 Children = $(900 - 500) = 400$
 1 Child = $\frac{400}{2} = 200 \leftarrow$

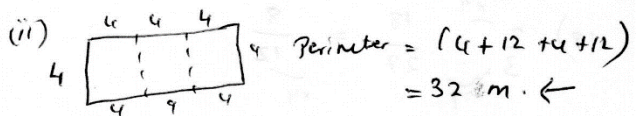
40 (a) length = $\frac{60}{4} = 15 \text{ cm}$



Perimeter = $(12 + 6 + 8 + 4 + 20 + 10)$
 $= 60 \text{ cm} \leftarrow$



(ii) length = $\sqrt{16} = 4 \text{ m} \leftarrow$



Maths 2022. 65

1) 524.

2) 698.

3) 508

4) 223.

5) $\frac{2}{5}$

6) 639.

7) 500.

8) 31

9) $3^2 = 3 \times 3 = 9$.

10) $\frac{5}{7}$

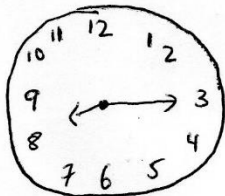
11) 9250, 9300, 9350

12) $1\frac{1}{2}$

13) 9.71

14) 3359, 4593, 4639.

15)



16) $(20 \times 7) = 140$.

17) $(5+5+9+9) = 28$ cm.

18)
$$\begin{array}{r} 5\ 50 \\ - 2\ 25 \\ \hline 3\ 25 \end{array}$$
 3m 25cm ←

19) red = $\frac{7}{10}$.

Green = $(1 - \frac{7}{10}) = \frac{3}{10}$.

20) 2 pencils → 25.
1 → $\frac{25}{2}$
6 → $(\frac{25}{2} \times 6) = \text{Rs } 75$.

21) 16 → D.

22) 1 → A.

23) C.

24) C.

25) B.

26) D.

27) C.

28) South → B.

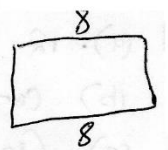
29) girls Boys.
20 : 15
4 : 3 → A.

30) C.

31) (3×180)
a) = 540 ←

b) Total = $540 + 50$
= 590 ←

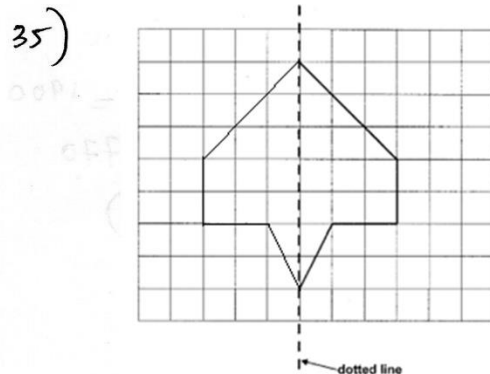
32) $\frac{24}{8} = 3$, $\frac{8}{2} = 4$.
width = 4 cm ←



33) Anna Bella.
a : 50, b : 100
Bella = Rs 100 ← $\frac{80}{4} = 20$.

34)
$$\begin{array}{r} 1\ 28 \\ + 35 \\ \hline 1\ 63 \end{array}$$
 1m 63cm ←

(b) Total
$$\begin{array}{r} 1\ 63 \\ + 1\ 28 \\ \hline 2\ 91 \end{array}$$
 2m 91cm ←



36) (a) Area $A = (16 \times 9) = 144 \text{ cm}^2 \leftarrow$

(b) Area $B = 144 \text{ cm}^2$

length $= \sqrt{144} = 12 \text{ cm} \leftarrow$

37 (a) gives $= (24 \times 3) = 72$

At first $= (72 + 16) = 88$

(b)(i) 90 minutes $= 1 \text{ h } 30 \text{ min.}$

(ii) 10 25

+ 1 30

30

11 85

+ 1 60

12 25 \leftarrow

38 (a) Total of 3 boys $= (29 \times 3) = 87 \text{ kg} \leftarrow$

(b) Total of 2 girls $= (34 \times 2) = 68 \text{ kg}$

Total mass of 5 children $= (87 + 68)$
 $= 155 \text{ kg} \leftarrow$

(c) Average mass $= \frac{155}{5} = 31 \text{ kg} \leftarrow$

39 (a) 12.

(b) Car and Van.

(c) $(10 - 2) = 8$

(d)

(e) Total $= (2 + 10 + 10 + 12 + 6)$
 $= 40$

40 (a) $1 \frac{1}{5} \div \frac{3}{7} = \frac{6}{5} \times \frac{7}{3}$
 $= \frac{2}{5} \leftarrow$

(b) 190 mangoes $= (10 \times 190) = 1900$

110 mangoes $= (110 \times 7) = 770$

(i) 300 mangoes $= (1900 + 770)$
 $= 2670 \leftarrow$

(ii) profit $= (2670 - 2200)$
 $= \text{Rs } 470 \leftarrow$

41) (a) 2 packets of sugar $= (500 \times 2) = 1000 \text{ g}$

rice + sugar $= (2500 + 1000)$
 $= 3500 \text{ g} \leftarrow$

(b) $(4340 - 3500) = 840 \text{ g.}$

4 tona $= 840$

1 tona $= \frac{840}{4} = 210 \text{ g} \leftarrow$