

GRADE 3

Mathematics Worksheets

And

Mathematica Response Praticce Template

MATHEMATICA

FEUILLE DE RÉPONSES - RESPONSE FORM

PLEASE PRINT - EN LETTRES MOULÉES S.V.P.

SCHOOL NAME (IN FULL) - NOM DE L'ÉCOLE (AU COMPLET)

SIGNATURE

CITY/TOWN-VILLE

PROVINCE

YEAR/AN	MONTH/MOIS	DAY/JOUR
DATE OF BIRTH / DATE DE NAISSANCE		

NOM DE FAMILLE - LAST NAME

PRÉNOM - FIRST NAME

DIRECTIVES IMPORTANTES

- 1- UTILISER UN CRAYON HB POUR BIEN CODER CETTE FEUILLE.
- 2- NOIRCIR COMPLÈTEMENT LES CERCLES APPROPRIÉS.
- 3- NE PAS UTILISER UN STYLO-BILLE OU UN STYLO-FEUTRE.
- 4- VÉRIFIER LA PRÉCISION DE TOUS LES CERCLES NOIRCIS ET BIEN EFFACER LES ERREURS.
- 5- VOIR PLUS BAS POUR CODER CORRECTEMENT.

IMPORTANT INSTRUCTIONS

- 1- USE AN HB PENCIL FOR CODING THIS FORM.
- 2- BLACKEN COMPLETELY THE APPROPRIATE CIRCLES.
- 3- DO NOT USE A BALL-POINT PEN OR FELT-TIP MARKER.
- 4- CHECK THE BLACKENED CIRCLES FOR ACCURACY AND ERASE ERRORS COMPLETELY.
- 5- SEE BELOW FOR CORRECT CODING.

CORRECT

- 1 A B C D E
- 2 A B C D E
- 3 A B C D E

INCORRECT

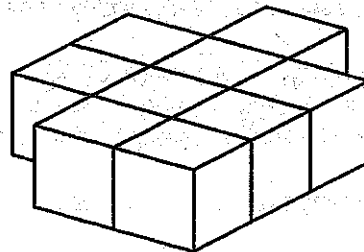
- 1 A B C D E
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DO NOT FOLD THIS SHEET - NE PAS PLIER CETTE FEUILLE

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Paper 1

- $20 + 14 = ?$
A) 2014 B) 34 C) 32 D) 24 E) 7
- The number of vertices of a cube is
A) 8 B) 6 C) 10 D) 14 E) 12
- $3 + 3 + 3 + 3 = ?$
A) 9 B) 15 C) 14 D) 10 E) 12
- Which number is not a multiple of 4?
A) 32 B) 16 C) 12 D) 14 E) 24
- Which number is four more than seventeen?
A) 19 B) 20 C) 21 D) 22 E) 23
- The second letter before the 12th letter of the alphabet is
A) L B) G C) H D) K E) J
- The missing number in the equation: $10 \div 2 \times 4 = ? \div 4$ is
A) 20 B) 5 C) 80 D) 100 E) 40
- The number of sides of a triangle multiplied by the number of faces of a cube is equal to
A) 24 B) 18 C) 9 D) 12 E) 36
- The number of odd numbers between 20 and 40 is equal to
A) 13 B) 9 C) 11
D) 10 E) 12
- A natural number is multiplied by 3. The result could not be
A) 52 B) 18 C) 24
D) 27 E) 36
- Nine blocks have been glued together as shown in the diagram. How many faces of these blocks have glue on them?
A) 24 B) 20 C) 18 D) 16 E) 22
- Twice a number plus 4 is equal to 18. What is the number?
A) 4 B) 5 C) 6 D) 7 E) 8
- Mathilda has 6 coins in her purse, none of which are pennies. Only two of these coins are dimes. What is the least amount of money she can have in her purse?
A) 25¢ B) 30¢ C) 45¢ D) 35¢ E) 40¢

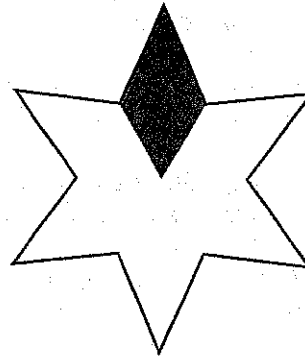


14. If cookies are only sold in packages of 5, what is the minimum number of packages you must buy to get 21 cookies?

- A) 2 B) 5 C) 6
D) 3 E) 4

15. What fraction of the polygon is shaded?

- A) 1/4 B) 1/5 C) 1/6
D) 1/7 E) 1/8



16. What is the value of n in the equation: $3 \times n = 2 \times n + 7$?

- A) 1 B) 3 C) 4 D) 6 E) 7

17. Andrea is 4 years older than Melissa. In 4 years, Melissa will be 35 years old. How old was Andrea 2 years ago?

- A) 30 years old B) 31 years old C) 32 years old D) 33 years old E) 34 years old

18. 12 hundreds - 15 tens + 7 ones = ?

- A) 1 057 B) 1 157 C) 1 043 D) 1 013 E) 1 047

19. Mathew talked for 140 seconds. He talked for

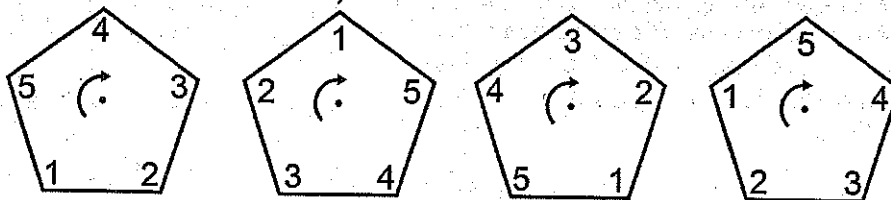
- A) 1 min 50 s B) 2 min C) 2min 10 s
D) 2 min 20 s E) 2 min 30 s

$$\begin{array}{r} 6A5 \\ \underline{\quad} \\ 3 \end{array} = B2C$$

20. What is the sum of the three digits missing in the division shown in the diagram (A, B, and C) that will yield a result that is exact?

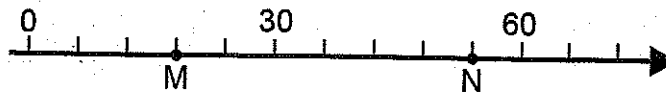
- A) 12 B) 13 C) 15 D) 11 E) 14

21. The pentagons in the diagram form a sequence. The rotation around the centre (in the direction shown by the arrow) that can generate this sequence is a rotation of



- A) 3/5 of a turn B) 1/5 of a turn C) 2/5 of a turn D) 5/5 of a turn E) 4/5 of a turn

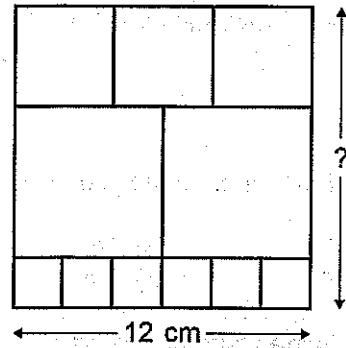
22. What is the length of segment MN (distance between points M and N on the number line)?



- A) 50 B) 36 C) 42 D) 45 E) 39

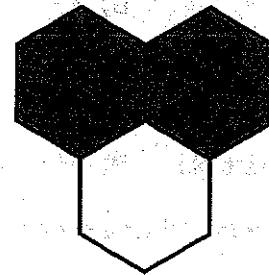
23. Tim has used 11 square tiles to cover a surface.
What is the height of this surface if its base is 12 cm?

- A) 12 cm B) 13 cm C) 10 cm
D) 14 cm E) 11 cm



24. How many more pale hexagons must be drawn to completely surround the 2 shaded hexagons?

- A) 7 B) 5 C) 9
D) 8 E) 6



25. The missing number in the sequence:
35, 50, ?, 80, 95 is

- A) 55 B) 65 C) 60
D) 70 E) 75

26. The seventh day of a month is a Friday. The last day of this month cannot be a Wednesday, nor a Tuesday, nor a

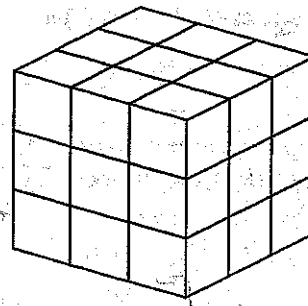
- A) Saturday B) Thursday C) Friday
D) Sunday E) Monday

27. How many natural numbers between 10 and 100 have at least one digit which is a "5"?

- A) 16 B) 17 C) 18 D) 19 E) 20

28. A large wooden cube is painted and then divided into 27 smaller cubes (see diagram). How many of these small cubes have only 2 of their faces that are covered with paint?

- A) 14 B) 18 C) 12
D) 10 E) 16

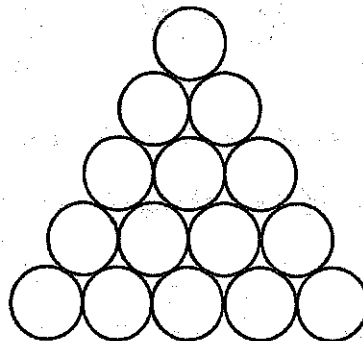


29. Mathusalem stores his bottles of wine in a triangular wooden stand with circular holes. Each hole or cell can hold one bottle of wine. His stand has 5 rows and can hold a maximum of 15 bottles. If he had a similar stand with 10 rows, how many bottles could it hold?

- A) 60 B) 55 C) 30
D) 50 E) 45

30. There are only three numbers between 0 and 100 that are multiples of 5 and that, when divided by 2 or by 3, leave a remainder of 1. Which of the following could be the sum of two of these numbers?

- A) 80 B) 130 C) 135
D) 125 E) 120



Paper 2

1. $2 + 0 - 1 + 7 = ?$

A) 6

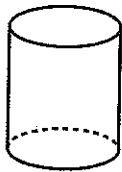
B) 7

C) 8

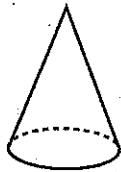
D) 9

E) 10

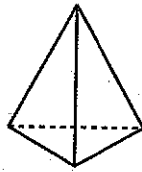
2. Which solid has 5 flat faces, 9 edges, and 6 vertices?



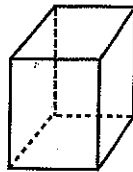
A



B



C



D



E

3. $1 \times 2 \times 3 \times 4 = ?$

A) 21

B) 22

C) 23

D) 24

E) 25

4. Which product has the largest ones digit?

A) $1 \times 2 \times 3$

B) $3 \times 4 \times 5$

C) $6 \times 7 \times 8$

D) $7 \times 9 \times 11$

E) $9 \times 11 \times 13$

5. $36 \div (7 - 4) = ?$

A) 4

B) 6

C) 8

D) 12

E) 9

6. How many even numbers are there between 19 and 29?

A) 4

B) 5

C) 6

D) 9

E) 10

7. The value of X in the following equation: $526 - X = 317$ is

A) 208

B) 209

C) 207

D) 205

E) 206

8. Round 210 to the nearest hundred. The answer is

A) 50

B) 100

C) 200

D) 150

E) 300

9. 50 nickels = ? quarters.

A) 10

B) 9

C) 8

D) 11

E) 12

10. Andrea counted backwards from 50 by 6's. How many of the following numbers: 8, 14, 21, 27, and 32 were not counted by Andrea?

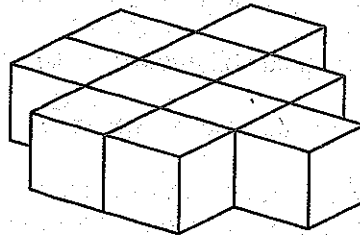
A) 1

B) 4

C) 2

D) 3

E) 0



11. Ten blocks have been glued together as shown in the diagram. How many faces of these blocks have glue on them?

A) 24

B) 22

C) 26

D) 20

E) 28

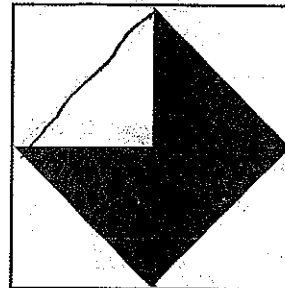
12. An answering machine can store 4 minutes of messages. How many 10 second messages could it store?
- A) 40 B) 24 C) 30 D) 27 E) 32

13. How many natural numbers between 5 and 55 are multiples of 5?

- A) 6 B) 7 C) 8
D) 9 E) 10

14. Mathilda had 10 cards. She gave 5 away, but received some from Mathew. If Mathilda now has 20 cards, how many cards did Mathew give her?

- A) 16 B) 20 C) 5
D) 15 E) 10



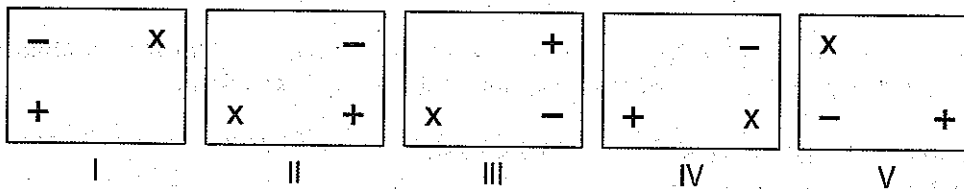
15. What fraction of the figure is shaded?

- A) 1/2 B) 3/7 C) 1/3 D) 2/5 E) 3/8

16. The product of 3 consecutive natural numbers is 24. What is their sum?

- A) 9 B) 10 C) 12 D) 6 E) 8

17. Which two rectangles are rotation images of each other?



- A) II and III B) II and IV C) I and III D) V and IV E) I and V

18. 3 hundreds + 3 ones + 3 tens is equal to

- A) 233 B) 303 C) 330 D) 333 E) 300

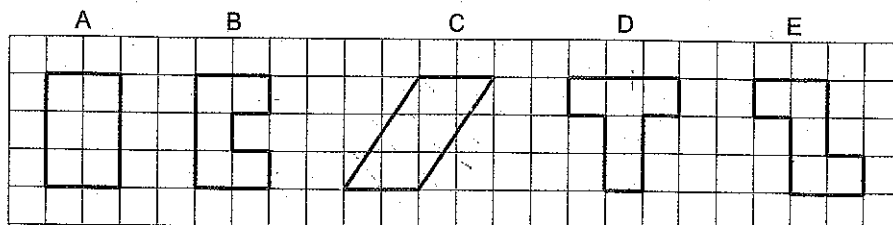
19. A contract covers the period from December 31, 2016 to January 1, 2025. How many years does the contract cover?

- A) 10 years B) 9 years C) 99 years D) 11 years E) 8 years

20. 1 dm + 10 cm is equal to

- A) 15 cm B) 8 dm C) 20 cm D) 110 cm E) 90 cm

21. Which figure has the smallest perimeter?

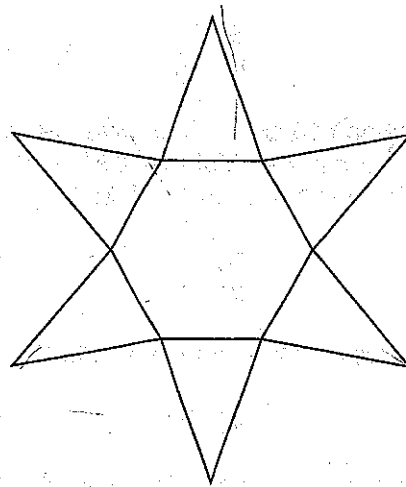


22. A jar is full of 1¢, 5¢, 10¢, and 25¢ coins. Andrea removes a total of 91¢ from the jar. What is the least number of coins that she could possibly have removed from the jar?

- A) 5 B) 6 C) 7 D) 8 E) 9

23. How many lines of symmetry does the figure have?

- A) 4 B) 5
C) 6 D) 7
E) 8



24. Andrea made a phone call 46 minutes after 7:46. She called at

- A) 8:32 B) 9:32
C) 8:22 D) 9:22
E) 9:42

25. The value of N in the equation: $10 + 20 + 30 + 40 = N \times (1 + 2 + 3 + 4)$ is

- A) 30 B) 10 C) 20
D) 5 E) 50

26. If $4 \times N = 36$, then $N \times 8$ is equal to

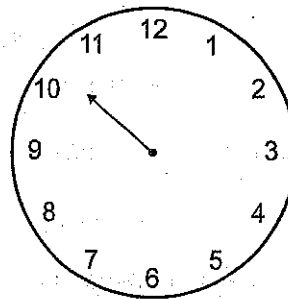
- A) 81 B) 54 C) 64 D) 62 E) 72

27. Mathusalem is twice as old as Mathew. Mathew is 3 times as old as Mathilda. If Mathew is 9 years old, what is the sum of the ages of Mathusalem, Mathew, and Mathilda?

- A) 30 years B) 31 years C) 29 years
D) 28 years E) 32 years

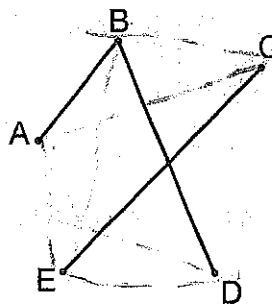
28. The clock shown in the diagram has just lost its minute hand. At what time, approximately, did it lose it?

- A) 10:00 B) 10:22 C) 10:31
D) 10:45 E) 10:05



29. How many line segments (like AB, BD, and EC) can you draw using the 5 points in the diagram?

- A) 14 B) 9 C) 7
D) 8 E) 10



30. How many 4-digit natural numbers greater than 2 000 have the same digits as 2 017 (including 2 017)?

- A) 10 B) 16 C) 14
D) 12 E) 18

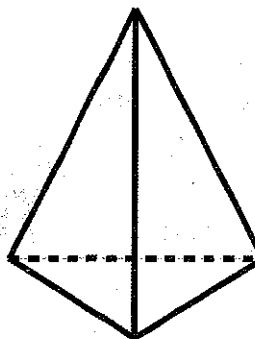
Paper 3

1. $2 + 0 + 1 + 9 = ?$

- A) 9 B) 10 C) 11 D) 12 E) 13

2. The base of the pyramid on the right is a triangle. The sum of its edges and vertices is $(6 + 4)10$. What is the sum of the edges and vertices of a pyramid whose base is a square?

- A) 11 B) 12 C) 13
D) 14 E) 15



3. The missing number in the equation: $6 \times 6 = 4 \times ?$ is

- A) 8 B) 9 C) 10
D) 5 E) 7

4. The sum of $8 + 50 + 300 + 7\,000$ is

- A) 7 358 B) 7 558 C) 7 658 D) 7 638 E) 7 458

5. The value of $(15 + 5) \times (15 - 8)$ is a multiple of

- A) 2 B) 3 C) 4 D) 5 E) 6

6. Which of the following will not yield a result that is a natural number?

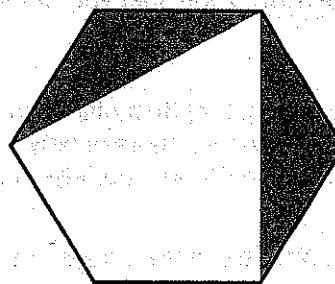
- A) $10 \div 2$ B) $10 - 2$ C) $5 + 3$ D) 5×3 E) 10×2

7. 50 nickels = ? quarters.

- A) 15 B) 40 C) 25 D) 20 E) 10

8. What fraction of the hexagon is shaded?

- A) $\frac{1}{6}$ B) $\frac{1}{5}$ C) $\frac{1}{4}$
D) $\frac{2}{6}$ E) $\frac{1}{2}$



9. A natural number is multiplied by 8. The result could not be

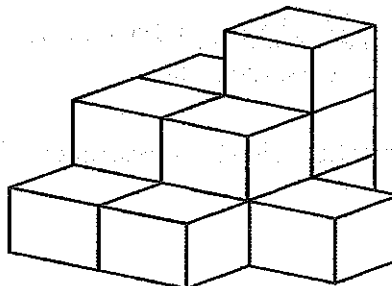
- A) 112 B) 84 C) 88
D) 32 E) 56

10. Which of the following is 5 less than the number that is 3 more than 100?

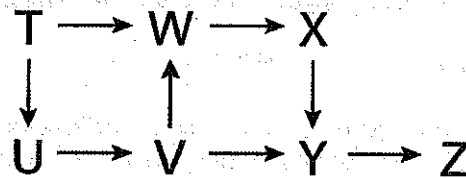
- A) 99 B) 95 C) 96
D) 97 E) 98

11. How many blocks are there in the pile?

- A) 10 B) 11 C) 12
D) 13 E) 14



12. If the last day of January is a Wednesday, then January 10 was a
- A) Wednesday B) Thursday C) Friday D) Saturday E) Sunday
13. Mathew is 5 years older than Mathilda. If Mathew is 13 years old, Mathilda is
- A) 7 years old B) 8 years old C) 9 years old D) 6 years old E) 5 years old
14. When half of 100 is multiplied by one third of 12, the result is
- A) 50 B) 100 C) 150 D) 200 E) 40
15. I am an even number smaller than 70. The sum of my digits is 13. What is their product?
- A) 42 B) 36 C) 48 D) 50 E) 40
16. 100 dm = ? m
- A) 100 B) 20 C) 5
D) 10 E) 1
17. T, U, V, W, X, Y, and Z are players that participated in a chess tournament. $T \rightarrow U$ means that T has won a game against U. How many players have won 2 games?
- A) 0 B) 1 C) 2 D) 3 E) 4
18. 10 hundreds + 10 tens + 10 ones = ?
- A) 1 210 B) 910 C) 10 010 D) 1 010 E) 1 110
19. A 2-digit natural number is multiplied by a 3-digit natural number. The product could be a natural number that has
- A) 4 digits B) 6 digits C) 3 digits D) 7 digits E) 9 digits
20. Which of the following expressions is the smallest?
- A) 3! B) 4! C) 5! D) 2! E) 6!
21. A jar is full of old pennies, nickels, dimes, and quarters. Andrea removes 8 coins having a total value of 84¢. How many nickels did she remove?
- A) 0 B) 1 C) 2 D) 3 E) 4
22. The division below shows that when a 3-digit number 37M is divided by 2, the result is another 3-digit number 1N8. The value of $M + N$ is equal to



$$37M \div 2 = 1N8$$

- A) 10 B) 11 C) 12 D) 13 E) 14