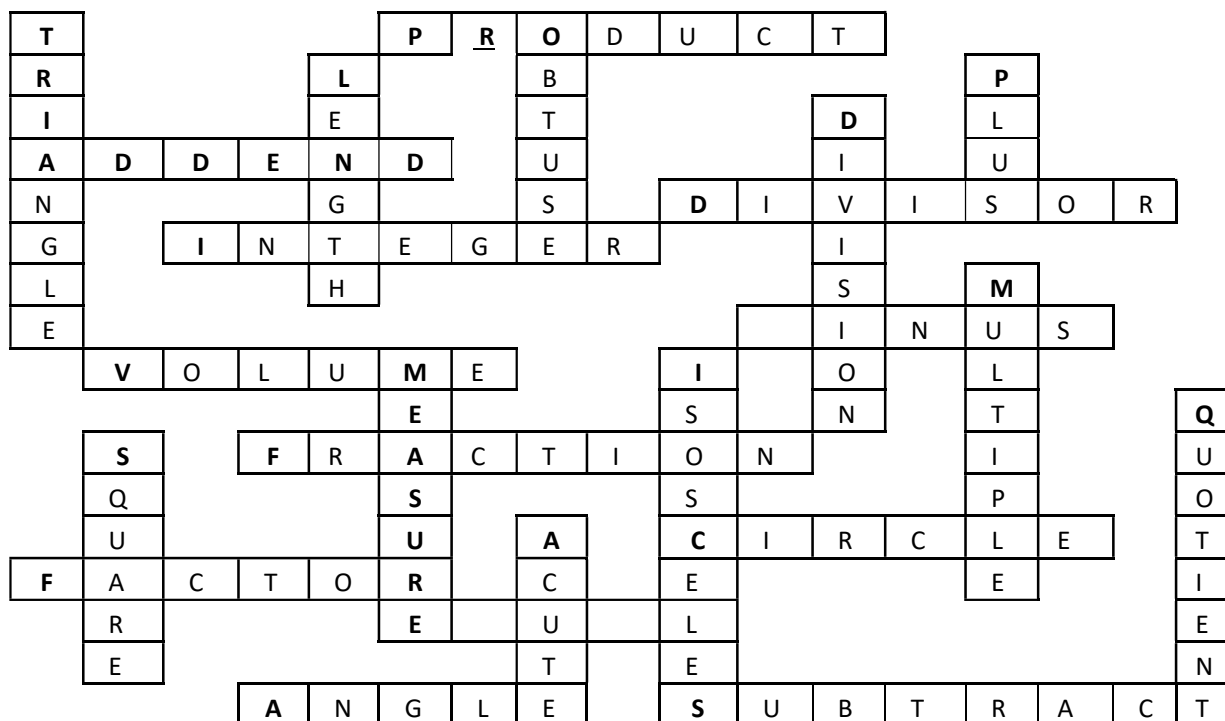


Welland Gouldsmith School,,

2020-21
Class VII-Mathematics

Answer Key

Math Vocabulary Puzzle



- | Across | Down |
|--|---|
| 2. The answer after multiplying numbers | 1. I am Scalene, equilateral or isosceles |
| 7. ADDEND | 3. I am an angle between 90 and 180 |
| 9. The number that divides [e.g. '3' in 4/3] | 4. I am the longer side of a rectangle |
| 10. A positive or negative number | 5. You use me when you add |
| 12. The sign used of subtraction | 6. Sharing a chocolate between friends |
| 13. Space taken up by a 3D object | 8. No clue. Ignore |
| 18. Numbers of the type $\frac{2}{3}$ or $\frac{1}{4}$ | 11. You use me to find 6×8 |
| 20. The shape having centre and radius | 14. MEASURE |
| 21. A number that divides another fully | 15. A 3-side polygon with two equal sides |
| 22. Is same as another | 16. The answer we get in a division problem |
| 23. 2 rays starting from same point form it | 17. A quadrilateral with all 4 angles and sides equal |
| 24. My friend 'took away' Rs230 from me | 19. I am an angle less than 90 degrees |

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Assignement-1 (Answer Key)

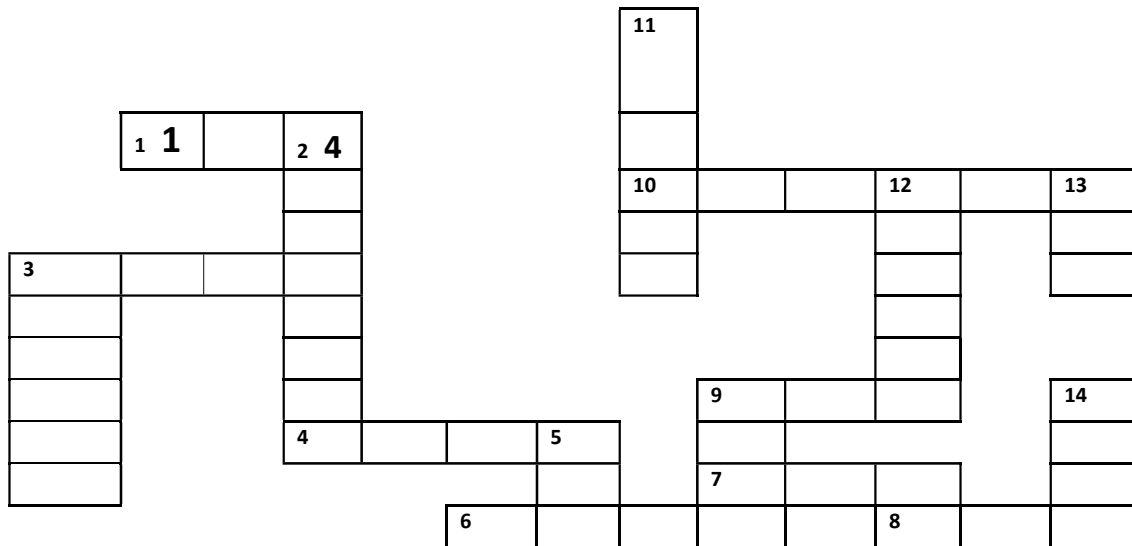
1. $1 - \frac{4}{7} = \frac{3}{7}$
2. 3 tens + 5 ones + 9 thousandths
3. $4x + 6y - 10$
 $4 \times 4 + 6 \times 6 - 10 = 42$
4. a] $14 \times 40 = 560$
b] $40 \times 343 = 13720$
5. $48 = 2 \times 24 ; 3 \times 16 ; 4 \times 12 ; 6 \times 8.$
6. $600/46$. Minimum 13 rows
7. $16:12 ; 16/28 \times 56 = 32. 12/28 \times 56 = 32$
Arvind gets Rs 32. Arshu gets Rs 24
8. a] 6.39 b] 9.009 c] 29.80 d] 8.50
9. a] 637.49 b] 169.919 c] 78.11
10. a] $4p + 9$
b] $\frac{4}{5} + 4r$

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Puzzle with Decimals (Answer Key)



ACROSS

1. $16.7 - 15.3 = 1.4$
3. $26.39 - 21.30 = 5.04$
4. $9.12 - 2.73 = 6.39$
6. $61.9 - 15.7 = 46.2$
7. $9.7 - 2.6 = 7.1$
8. $17.6 - 12.8 = 4.8$
9. $29.6 - 27.1 = 2.5$
10. $67.518 - 2.173 = 65.345$

DOWN

2. $5211.889 - 452.323 = 4759.562$
3. $714.97 - 150.28 = 564.69$
5. $31.9 - 22.3 = 9.6$
9. $6.67 - 3.95 = 2.72$
11. $161.5 - 45.2 = 116.3$
12. $42.521 - 7.406 = 35.115$
13. $82.7 - 77.3 = 5.4$
14. $421.62 - 415.04 = 6.57$

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Assignment-2 (Answer Key)

1. a) $5x = 125$ $x = 125/5 = 25$
b) $56 - 8a = 8$; $56 + 8 = 8a$; $64 / 8 = a$; $a = 8$.
c) $1/3 y + 6 = 9$; $1/3 y = 9 - 6$; $y = 3 \times 3 = 9$
d) $4 [y + 4] - 3 [y - 2] = 8$
 $4y + 16 - 3y + 6 = 8$; $7y + 22 = 8$; $7y = 8 - 22$; $y = -14 / 7 = -2$
2. a) $a - b + c$; $7 - 3 + [-6] = -2$
b) $4x + 5y - c$; $5 \times 2 + 5 \times 3 - [-4]$; $10 + 15 + 4 = 29$
3. a) $4/10 : 2/25$; $4 \times 25 : 2 \times 10$; $4/10 > 2/25$
b) $3 \times 64 : 4 \times 51$; $3 \times 64 < 4 \times 51$
c) $6 \times 66 : 11 \times 9$; $6 \times 66 > 11 \times 9$
4. a) $25 : 50$; $1 : 2$
b) $26 : 52$; $1 : 2$
c) $4 \text{ min} : 52 \text{ sec}$; $240 \text{ sec} : 52 \text{ sec}$; $60 : 13$
5. $3 : 4 : 5$ sum = 12
 $3/12 \times 180 = 45 \text{ degree}$; $4/12 \times 180 = 60 \text{ deg}$; $5/12 \times 180 = 75 \text{ deg}$
6. a) $x = 4 \times 8 / 16 = 2$
b) $x = 6 \times 12 / 16 = 9/2$
c) $x = 45 \times 24 / 32 = 135/4$
7. 51 chairs = 17 days ; 1 chair in $17/51$ days ; 24 chairs in $17/51 \times 24 = 8$ days
8. 4 hrs = 260 km ; 1 hr $260/4$ km ; in 7hrs = $260/4 \times 7 = 455$ km
9. $30 : 31$; $4 : 7$
10. Sanskrit : French ; $5 : 7$ sum is 12
For 12 it is 5
For 48 it will be $48/12 \times 5 = 20$ students.