Final Exam — Practice Test

Saskatchewan Workplace and Apprenticeship Mathematics 10 • 50 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Gross pay is 1100 dollars and total deductions are 210 dollars. The net pay, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The area of a rectangle with length 11 cm and width 14 cm, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Two angles of a triangle measure 30 degrees and 46 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **From a point 10 m from the base of a pole, the angle of elevation to the top is 60 degrees. The height of the pole, in metres, is approximately**

- A 19.3
- B 17.3
- C 15.3
- D 10

Understand It with Pulse | Flag a mistake

5 **A triangular arrangement has 15 dots in total. The number of dots in the bottom row is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **Gross pay is 950 dollars and total deductions are 210 dollars. The net pay, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 The perimeter of a rectangle with length 11 cm and width 19 cm, in centimetres, is

ANSWER _____

Understand It with Pulse | Flag a mistake

8 Angles on a straight line sum to 180 degrees. If one angle is 23 degrees, the angle beside it, in degrees, is

ANSWER _____

Understand It with Pulse | Flag a mistake

9 In a right triangle, the side opposite an acute angle is 27 and the side adjacent is 36. The tangent of the angle is

A $\frac{3}{4}$

B $\frac{4}{3}$

C $\frac{3}{5}$

D $\frac{4}{5}$

Understand It with Pulse | Flag a mistake

10 **The number of squares in a 8 by 8 grid, counting all sizes, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **Gross pay is 800 dollars and total deductions are 180 dollars. The net pay, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **The volume of a rectangular prism 9 cm by 6 cm by 7 cm, in cm^3, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **Two angles of a triangle measure 39 degrees and 54 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 In a right triangle, the side adjacent to an acute angle is 15 and the hypotenuse is 17. The cosine of the angle is

- **A** $\frac{8}{17}$
- **B** $\frac{15}{17}$
- **C** $\frac{15}{8}$
- **D** $\frac{8}{15}$

Understand It with Pulse | Flag a mistake

15 A cube has side length 4 cm. The number of small unit cubes in it is

ANSWER _____

Understand It with Pulse | Flag a mistake

16 A salesperson earns 12 percent commission on sales of 2500 dollars. The commission, in dollars, is

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **The volume of a rectangular prism 3 cm by 4 cm by 4 cm, in cm^3, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **Angles on a straight line sum to 180 degrees. If one angle is 57 degrees, the angle beside it, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A ladder of length 25 m leans against a wall at 30 degrees to the ground. The height it reaches, in metres, is approximately**

A 14.5

B 10.5

C 12.5

D 25

Understand It with Pulse | Flag a mistake

20 **A triangular arrangement has 21 dots in total. The number of dots in the bottom row is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **Gross pay is 1100 dollars and total deductions are 150 dollars. The net pay, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **The area of a rectangle with length 12 cm and width 15 cm, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **Angles on a straight line sum to 180 degrees. If one angle is 33 degrees, the angle beside it, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 In a right triangle, the side opposite an acute angle is 12 and the hypotenuse is 20. The sine of the angle is

- **A** $\frac{3}{5}$
- **B** $\frac{4}{5}$
- **C** $\frac{3}{4}$
- **D** $\frac{4}{3}$

Understand It with Pulse | Flag a mistake

25 The number of dots in the 4th figure of a pattern is 13, and each figure adds 3 dots. The 5th figure has

ANSWER _____

Understand It with Pulse | Flag a mistake

26 **A worker earns 20 dollars per hour and works 37 hours in a week. The gross weekly pay, in dollars, is**

- A 760
- B 720
- C 780
- D 740

Understand It with Pulse | Flag a mistake

27 **The area of a triangle with base 9 cm and height 11 cm, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

28 **An angle measures 30 degrees. Its supplement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

29 **From a point 15 m from the base of a pole, the angle of elevation to the top is 30 degrees. The height of the pole, in metres, is approximately**

- A 10.7
- B 6.7
- C 15
- D 8.7

Understand It with Pulse | Flag a mistake

30 **In a 3 by 3 magic square using the numbers 1 to 9, the numbers in a diagonal also sum to 15. If a diagonal contains 2 and 6, the missing number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

31 **A worker earns 16 dollars per hour, with time and a half after 40 hours. For a week with 46 hours worked, the gross pay, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

32 **The perimeter of a rectangle with length 19 cm and width 14 cm, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

33 **An angle measures 47 degrees. Its complement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

34 **A right triangle has hypotenuse 51 m and one leg 24 m. The other leg, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

35 **A pattern starts 6, 12, 18. The term in position 6 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

36 **A worker earns 25 dollars per hour and works 32 hours in a week. The gross weekly pay, in dollars, is**

- A 800
- B 825
- C 775
- D 850

Understand It with Pulse | Flag a mistake

37 **A length of 3 metres is equal to how many centimetres**

ANSWER _____

Understand It with Pulse | Flag a mistake

38 **An angle measures 135 degrees. Its supplement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

39 A ladder of length 25 m leans against a wall at 60 degrees to the ground. The height it reaches, in metres, is approximately

- A 23.7
- B 21.7
- C 19.7
- D 25

Understand It with Pulse | Flag a mistake

40 A cube has side length 2 cm. The number of small unit cubes in it is

ANSWER _____

Understand It with Pulse | Flag a mistake

41 A worker earns 16 dollars per hour, with time and a half after 40 hours. For a week with 42 hours worked, the gross pay, in dollars, is

ANSWER _____

Understand It with Pulse | Flag a mistake

42 The area of a rectangle with length 6 cm and width 4 cm, in cm², is

ANSWER _____

Understand It with Pulse | Flag a mistake

43 An angle measures 69 degrees. Its complement, in degrees, is

ANSWER _____

Understand It with Pulse | Flag a mistake

44 A ladder of length 20 m leans against a wall at 30 degrees to the ground. The height it reaches, in metres, is approximately

A 12

B 8

C 20

D 10

Understand It with Pulse | Flag a mistake

45 **A pattern starts 4, 8, 12. The term in position 7 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

46 **A worker earns 24 dollars per hour, with time and a half after 40 hours. For a week with 45 hours worked, the gross pay, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

47 **A jug holds 2500 millilitres. Its capacity, in litres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

48 **An angle measures 101 degrees. Its supplement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

49 In a right triangle, the side adjacent to an acute angle is 24 and the hypotenuse is 30. The cosine of the angle is

- **A** $\frac{3}{5}$
- **B** $\frac{4}{3}$
- **C** $\frac{4}{5}$
- **D** $\frac{3}{4}$

Understand It with Pulse | Flag a mistake

50 A pattern starts 2, 6, 10. The term in position 7 is

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	890	**18.**	123	**35.**	36
2.	154	**19.**	C	**36.**	A
3.	104	**20.**	6	**37.**	300
4.	B	**21.**	950	**38.**	45
5.	5	**22.**	180	**39.**	B
6.	740	**23.**	147	**40.**	8
7.	60	**24.**	A	**41.**	688
8.	157	**25.**	16	**42.**	24
9.	A	**26.**	D	**43.**	21
10.	204	**27.**	49.5	**44.**	D
11.	620	**28.**	150	**45.**	28
12.	378	**29.**	D	**46.**	1140
13.	87	**30.**	7	**47.**	2.5
14.	B	**31.**	784	**48.**	79
15.	64	**32.**	66	**49.**	C
16.	300	**33.**	43	**50.**	26
17.	48	**34.**	45		

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