

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

- | | |
|---|-----------|
| 1) Write seven hundred, twenty-eight in correct numeric form. | 1) _____ |
| 2) Write four thousand, fifty-three in correct numeric form. | 2) _____ |
| 3) Write forty-eight million, six thousand, four hundred, three in correct numeric form. | 3) _____ |
| 4) Write seven billion, three million, twenty-six thousand, five in correct numeric form. | 4) _____ |
| 5) Round the number 48,499 to the nearest hundred. | 5) _____ |
| 6) Round the number 518 to the nearest ten. | 6) _____ |
| 7) Round the number 78,263 to the nearest thousand. | 7) _____ |
| 8) Round the number 36,952 to the nearest hundred. | 8) _____ |
| 9) $189 + 495 =$ | 9) _____ |
| 10) $564 + 985 =$ | 10) _____ |
| 11) $423 + 782 =$ | 11) _____ |
| 12) $149 + 38 =$ | 12) _____ |
| 13) $901 + 865 =$ | 13) _____ |
| 14) $7882 + 444 =$ | 14) _____ |
| 15) $78,044 + 7643 =$ | 15) _____ |
| 16) $75 + 824 + 344 =$ | 16) _____ |
| 17) $468 + 942 + 36 + 8203 =$ | 17) _____ |
| 18) $5982 + 97 + 972 + 10,624 =$ | 18) _____ |
| 19) $12 + 82 + 94 + 3 + 104 =$ | 19) _____ |

- 20) A plumbing supply company sold the following lengths of PVC pipe in one day:
16 m, 8 m, 31 m, and 47 m. What was the total length of pipe sold? 20) _____
- 21) While building a house, a mason laid 1548 bricks on the first day, 1288 on the second day,
and 1392 on the third day. How many bricks did he use? 21) _____
- 22) A contractor paid his labourers the following for one week's work:
Paula - \$365
Marty - \$274
Brad - \$489
Thomas - \$455
What was his salary expense for the week? 22) _____
- 23) In preparing an estimate to remodel a kitchen, a contractor predicts cabinet costs of \$750,
sink and countertop \$485, paint and wallpaper \$229, floor tile \$565, appliances \$3859, and
labour \$1100. What is the total cost? 23) _____
- 24) $42 - 13 =$ 24) _____
- 25) $582 - 24 =$ 25) _____
- 26) $800 - 135 =$ 26) _____
- 27) $760 - 349 =$ 27) _____
- 28) $362 - 177 =$ 28) _____
- 29) $9111 - 292 =$ 29) _____
- 30) $6848 - 709 =$ 30) _____
- 31) $7865 - 3442 =$ 31) _____
- 32) $15,056 - 487 =$ 32) _____
- 33) $39,005 - 6206 =$ 33) _____
- 34) $18,036 - 16,956 =$ 34) _____
- 35) A painter is painting a room that is 720 square feet. However, he ran out of paint after
painting 594 sq ft. How many sq ft does he have left to paint? 35) _____
- 36) A cement truck was filled with 2981 kilograms of cement. Throughout the day cement was
poured at four sites in the following amounts: 572 kg, 1142 kg, 435 kg, and 390 kg. How
much cement was left in the truck at the end of the day? 36) _____

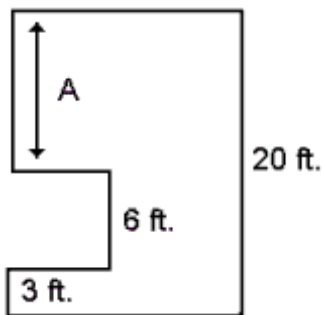
37) J. Hartley Poolbuilders charge \$15,600 to build a residential swimming pool. Their costs are \$1568 for excavation and steel reinforcement; \$1555 for concrete and plaster; \$2850 for tile and coping; \$1675 for plumbing and electric work; and \$2579 for equipment. What is their profit? 37) _____

38) Modern Plumbing and Heating announced a profit of \$48,127 in 2016. In 2017, their profit was \$52,289. Find the increase. 38) _____

39) Which total volume is greater, four drums containing 48, 35, 29, and 57 litres or five drums containing 30, 22, 18, 18, and 35 litres? By how much is it greater? 39) _____

40) A machinist worked 40 regular hours and 10 overtime hours during one week and earned \$660. If his regular pay is \$480, what did he earn during overtime hours? 40) _____

41) Determine the missing dimension in the drawing: 41) _____



42) $54 \times 9 =$ 42) _____

43) $853 \times 7 =$ 43) _____

44) $547 \times 62 =$ 44) _____

45) $984 \times 50 =$ 45) _____

46) $99 \times 88 =$ 46) _____

47) $86 \times 123 \times 4 =$ 47) _____

48) $506 \times 740 =$ 48) _____

49) $1261 \times 402 =$ 49) _____

50) $2002 \times 283 =$ 50) _____

51) $62 \times 57 =$ 51) _____

- 52) $25 \times 25 =$ 52) _____
- 53) $366 \times 789 =$ 53) _____
- 54) Eight individually powered machines have motors that use 455 watts each. What is the total wattage used when all machines are running? 54) _____
- 55) A mechanic earns \$42 per hour. What is his pay if he works 38 hours in one week? 55) _____
- 56) A plumber has 28 pieces of 12-foot PVC pipe. What is the total length of PVC that he has? 56) _____
- 57) If a car averages 93 kilometres per hour, how far will it travel in 5 hours? 57) _____
- 58) A carpenter is building a bookcase. Each shelf holds 34 books. If she builds 7 shelves, how many books will the bookcase hold? 58) _____
- 59) A door contains two hinges. A builder is constructing an office building with two doors in each office. How many hinges are needed if the building has 49 offices? 59) _____
- 60) If a copy machine can copy 34 sheets of paper in one minute, how many sheets can it copy in 2 hours? (60 minutes = 1 hour) 60) _____
- 61) A truck's gas tank holds 216 litres of gas. If the truck can travel 18 litres per 100 kilometres, how far can the truck travel before refueling? 61) _____
- 62) $346 \div 9 =$ 62) _____
- 63) $200 \div 8 =$ 63) _____
- 64) $1350 \div 3 =$ 64) _____
- 65) $4480 \div 52 =$ 65) _____
- 66) $23,028 \div 76 =$ 66) _____
- 67) $14,619 \div 24 =$ 67) _____
- 68) $1221 \div 121 =$ 68) _____
- 69) $53,471 \div 523 =$ 69) _____
- 70) $52,266 \div 843 =$ 70) _____
- 71) $1105 \div 85 =$ 71) _____

- 72) $3381 \div 7 =$ 72) _____
- 73) $99,599 \div 472 =$ 73) _____
- 74) A carpenter builds a 126 ft fence with posts placed every 3 feet. How many posts will he need? 74) _____
- 75) A mason is building a drystack stone wall that is 1.28 metres high. If each stone is 8 centimetres high, how many rows of stone will the wall contain? (1 metre = 100 centimetres) 75) _____
- 76) A painter can paint a wall at a rate of 14 square metres per hour. How many hours will he take to paint 210 square metres of walls? 76) _____
- 77) The Hopkins family travelled by car 1168 miles in 19 hours. Assuming they stopped 3 hours for refueling and meals, what was their average rate of speed? 77) _____
- 78) $19 + 5 \times 2 =$ 78) _____
- 79) $42 \div 7 - 6 =$ 79) _____
- 80) $5 + 8 \times 12 =$ 80) _____
- 81) $46 - 5 \times 5 =$ 81) _____
- 82) $9 \times 3 + 3 =$ 82) _____
- 83) $12 + 72 \div 9 =$ 83) _____
- 84) $6 + 3 \times 8 + 8 =$ 84) _____
- 85) $3 \times 10 - 5 =$ 85) _____
- 86) $(21 \div 3) - 6 =$ 86) _____
- 87) $8 \times (9 + 3) =$ 87) _____
- 88) $(9 + 4) \times (8 - 4) =$ 88) _____
- 89) $(9 + 4) \times 8 - 4 =$ 89) _____
- 90) $23 - (5 - 1) =$ 90) _____
- 91) $\frac{45}{9} + \frac{63}{7} =$ 91) _____

- 92) $\frac{22 + 22}{25 - 21} =$ 92) _____
- 93) $\frac{8 \times 7 + 5 - 1}{28 \div 2 - 4} =$ 93) _____
- 94) $\frac{(7 + 11) \times 6}{2 \times 3 \times 3 \times 2} =$ 94) _____
- 95) $4 + (5 \times 3) - \frac{4 + (11 \times 4)}{7 \times 3 - 9} + (14 - 8) =$ 95) _____
- 96) A mirror that is 5 ft wide is to be centred on a wall that is 17 ft long. Write the equation that shows how far from each end of the wall the mirror's ends should be placed. Calculate. 96) _____
- 97) An office pays its 5 clerical workers \$220 per week, 2 secretaries \$290 per week, and the office manager \$360 per week. Write a mathematical statement showing the total salaries paid, then calculate this total. 97) _____
- 98) List all factors of 24. Separate the factors using commas, do not use spaces. 98) _____
- 99) List all factors of 17. Separate the factors using commas, do not use spaces. 99) _____
- 100) List all factors of 100. Separate the factors using commas, do not use spaces. 100) _____
- 101) List all factors of 76. Separate the factors using commas, do not use spaces. 101) _____
- 102) Write the number 24 as a product of its prime factors. Separate the factors with a $\times$. 102) _____
- 103) Write the number 210 as a product of its prime factors. Separate the factors with a $\times$. 103) _____
- 104) Write the number 36 as a product of its prime factors. Separate the factors with a $\times$. 104) _____
- 105) Write the number 45 as a product of its prime factors. Separate the factors with a $\times$. 105) _____

Answer Key

Testname: UNTITLED12

- 1) 728
- 2) 4053
- 3) 48,006,403
- 4) 7,003,026,005
- 5) 48,500
- 6) 520
- 7) 78,000
- 8) 37,000
- 9) 684
- 10) 1549
- 11) 1205
- 12) 187
- 13) 1766
- 14) 8326
- 15) 85,687
- 16) 1243
- 17) 9649
- 18) 17,675
- 19) 295
- 20) $16 + 8 + 31 + 47 = 102$ m
- 21) 4228 bricks
- 22) \$1583
- 23) \$6988
- 24) 29
- 25) 558
- 26) 665
- 27) 411
- 28) 185
- 29) 8819
- 30) 6139
- 31) 4423
- 32) 14,569
- 33) 32,799
- 34) 1080
- 35) 126 sq ft
- 36) $2891 - 572 - 1142 - 435 - 390 = 352$ kg
- 37) \$5373
- 38) \$4162
- 39) Four drums which contain a total of 46 litres more than the five drums.
- 40) \$180
- 41) 11 ft
- 42) 486
- 43) 5971
- 44) 33,914
- 45) 49,200
- 46) 8712
- 47) 42,312
- 48) 374,440
- 49) 506,922
- 50) 566,566

Answer Key

Testname: UNTITLED12

- 51) 3534
- 52) 625
- 53) 288,774
- 54) 3640 watts
- 55) \$1596
- 56) 336 feet
- 57) 465 kilometres
- 58) 238 books
- 59) 196 hinges
- 60) 4080 sheets
- 61) 1200 kilometres
- 62) 38 r 4
- 63) 25
- 64) 450
- 65) 86 r 8
- 66) 303
- 67) 609 r 3
- 68) 10 r 11
- 69) 102 r 125
- 70) 62
- 71) 13
- 72) 483
- 73) 211 r 7
- 74) 43 posts
- 75) 16 rows
- 76) 15 hours
- 77) 73 mph
- 78) 29
- 79) 0
- 80) 101
- 81) 21
- 82) 30
- 83) 20
- 84) 38
- 85) 25
- 86) 1
- 87) 96
- 88) 52
- 89) 100
- 90) 19
- 91) 14
- 92) 11
- 93) 6
- 94) 3
- 95) 21
- 96) $(17 \text{ ft} - 5 \text{ ft}) \div 2 = 6 \text{ ft}$
- 97) $(5 \times \$220) + (2 \times \$290) + \$360 = \2040
- 98) 1,2,3,4,6,8,12,24
- 99) 1,17
- 100) 1,2,4,5,10,20,25,50,100

Answer Key

Testname: UNTITLED12

101) 1,2,4,19,38,76

102) $2 \times 2 \times 2 \times 3$

103) $2 \times 3 \times 5 \times 7$

104) $2 \times 2 \times 3 \times 3$

105) $3 \times 3 \times 5$