

Instructions: This quiz has 26 questions. The use of calculators is forbidden. Click on the box with the right answer. To initialise the quiz you must click on "BEGIN QUIZ." When you finish the quiz you click on "END QUIZ" in order to see your score.

Begin Quiz Answer each of the following.

1. The product 12345×2078 equals

256510

2565210

25652910

256529

2. Divide: $25 \overline{)100200300400}$

481216

408012016

4008012016

6102108004

3. Evaluate: $100 - (5 + 1)^2 + 3 \times 2$.

70

94

80

82

4. What is the value of the expression $4 \times (4 \times (4 \times 3) + 2) + 3$?

123

197

203

779

5. Which one is the smallest number?

-8

-11

-1

1

6. $|-8| - |-9| =$

-1

1

-17

17

7. Which symbol would you write instead of \bigcirc in $-21 \bigcirc 56 = -77$ in order to make it a true sentence?

<

>

-

+

8. $(3) \times (-8) =$

-11

-5

24

-24

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9. The price of an article is \$100. Its price rises 5% and then this new price decreases by 5%. What is its final price?

\$100 \$90 \$99 \$99.75

10. 12% of 500000 equals

6000 60000 600000 600

11. Mary buys a computer for \$2300. The sales tax is 8%. How much tax must she pay?

\$184 \$1840 \$18.40 \$2484

12. One, and only one of these numbers equals $1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{6}$. Which one?

$\frac{4}{11}$ $\frac{4}{36}$ 2 $\frac{14}{11}$

13. Reduce to simplest form: $\frac{10}{3} \div 24$

$\frac{1}{80}$ $\frac{5}{36}$ $\frac{36}{5}$ $\frac{6}{43}$

14. Write as a decimal: $\frac{3}{16}$.

0.316 3.16 0.1875 $0.\overline{1875}$

15. Which of the following equals the product

$$3\frac{1}{8} \times 1\frac{3}{5} \times \frac{5}{8}?$$

$4\frac{2}{3}$ $4\frac{3}{8}$ $3\frac{1}{8}$ $3\frac{2}{5}$

16. Express 36 minutes as a fraction of 1 hour.

$\frac{3}{5}$ $\frac{9}{25}$ $\frac{1}{36}$ $\frac{7}{12}$

17. Three of the following fractions represent the same number. Which is the odd one out?

$\frac{9}{12}$ $\frac{2}{3}$ $\frac{150}{225}$ $\frac{14}{21}$

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18. $\frac{3}{3 + \frac{1}{2}} =$

2

$\frac{3}{2}$

$\frac{6}{7}$

$\frac{7}{6}$

19. If a satisfies the equality $a \times 1995 = 1990$, which of the following is true regarding a ?

$a < 1$

$a < 0$

$a = 5$

$a > 1$

20. If $\frac{15}{a} = \frac{a}{60}$, then a can equal

10

25

30

45

21. What would be the price of a $5\frac{1}{2}$ -mile trip with the following taxi-cab company?

SMILING CAMEL TAXI SERVICES	
First $\frac{1}{4}$ mi	\$.85
Additional $\frac{1}{4}$ mi	\$.40

\$1.05

\$4.85

\$9.65

\$9.25

22. Naomi has 16 yards of gift-wrap in order to wrap the gifts for the Festival of Lights at the community centre. Each gift requires $1\frac{7}{8}$ yards of paper. How many gifts can she wrap?

8

9

16

32

23. $\frac{3-24}{6-(-1)} =$

0

3

-3

-4

24. $\frac{(-12)(-7)}{-6} + 8 =$

22

6

-6

-112

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$$25. \quad \frac{-|-5| - (3-5)^2}{1} = \frac{-3}{-23} = -9$$

$$26. \text{ Simplify: } \frac{(-5)(-2)(-2) - (2)(-5)}{5 - (-5)} = \frac{-13}{1} = -1 - 3$$

27. In the following array, some entries are missing. Find the value of x .

					Row Totals
	?	?	5	7	24
	5	?	?	1	21
	7	8	?	?	26
	9	3	2	x	?
Column Totals	29	21	22	19	

$$20 \qquad \qquad \qquad 8 \qquad \qquad \qquad 6 \qquad \qquad \qquad 5$$

End Quiz

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