

The slide features a light blue grid background. A solid blue horizontal line is positioned above the main title, and another solid blue horizontal line is positioned below it. A solid blue vertical line runs down the left side of the slide, and another solid blue vertical line runs down the right side. At the top-left and bottom-right corners, there are blue L-shaped corner markers, each consisting of a short horizontal line and a short vertical line meeting at a small circle.

McMillan 6th Grade Math Contest

Team Quiz Bowl 2006

Quiz Bowl Rules

- ◆ You can answer a question as soon as you know the answer.
- ◆ All fractional answers **MUST BE GIVEN** in reduced form.
- ◆ Correct **UNITS** must be given.
- ◆ Only your first answer is taken
- ◆ The teams have 15 seconds to answer any question.

Question 1

What is $275 \div 25$?

Question 1

What is $275 \div 25$?

Answer: 7

Question 2

What is $(-1)^3$?

Question 2

What is $(-1)^3$?

Answer: -1

Question 3

What is $\frac{3}{4}$ of 120?

Question 3

What is $\frac{3}{4}$ of 120?

Answer: 90

Question 4

What is the circumference of a circle with a diameter of 6?
(Use 3.14 for pi)

Question 4

What is the circumference of a circle with a diameter of 6?
(Use 3.14 for pi)

Answer: 18.84

Question 5

What is the area of a square with side 7 centimeters?

Question 5

What is the area of a square with side 7 centimeters?

Answer: 49 sq. centimeters

Question 6

What is $\frac{2}{3} \times \frac{3}{5}$?

Question 6

What is $\frac{2}{3} \times \frac{3}{5}$?

Answer: $\frac{2}{5}$

Question 7

What is the area of a triangle with height 9in and base 6in?

Question 7

What is the area of a triangle with height 9in and base 6in?

Answer: 27in^2

Question 8

What is $986 \div 1,000$?

Question 8

What is $986 \div 1,000$?

Answer: 0.986

Question 9

How many hours and minutes are there from 10:30 PM today until 10:10 PM tomorrow?

Question 9

How many hours and minutes are there from 10:30 PM today until 10:10 PM tomorrow?

Answer: 23 hrs 40 min

Question 10

Find the next 3 numbers in the pattern: 1, 1, 2, 3, 5, 8,...

Question 10

Find the next number in the
pattern: 1, 1, 2, 3, 5, 8,...

Answer: 13

Question 11

How many inches in $6\frac{1}{2}$ feet?

Question 11

How many inches in $6\frac{1}{2}$ feet?

Answer: 78 inches

Question 12

How many Fridays are there
in 25 weeks?

Question 12

How many Fridays are there
in 25 weeks?

Answer: 25 Fridays

Question 13

What is 55% as a reduced fraction?

Question 13

What is 55% as a reduced fraction?

Answer: $11/20$

Question 14

How many milliliters in 32 liters?

Question 14

How many milliliters in 32 liters?

Answer: 32,000 ml

Question 15

How many months in 12 years and 5 months?

Question 15

How many months in 12 years
and 5 months?

Answer: 149 months

Question 16

What is the reciprocal of $12\frac{1}{4}$?

Question 16

What is the reciprocal of $12\frac{1}{4}$?

Answer: $\frac{4}{49}$

Question 17

12 $\frac{1}{2}$ is how many halves?

Question 17

12 $\frac{1}{2}$ is how many halves?

Answer: 25

Question 18

What is the square root of
144?

Question 18

What is the square root of
144?

Answer: 12

Question 19

Find the sum of -10 and -10 .

Question 19

Find the sum of -10 and -10 .

Answer: -20

Question 20

What is 10% of 200?

Question 20

What is 10% of 200?

Answer: 20

Question 21

What is $(-2)^3$?

Question 21

What is $(-2)^3$?

Answer: -8

Question 22

What is 1.2×10^3 ?

Question 22

What is 1.2×10^3 ?

Answer: 1,200

Question 23

What is the cube root of 27?

Question 23

What is the cube root of 27?

Answer: 3

Question 24

What is the quotient of 84 and 4?

Question 24

What is the quotient of 84 and 4?

Answer: 21

Question 25

What is the perimeter of a square with side of 14 feet?

Question 25

What is the perimeter of a square with side of 14 feet?

Answer: 56 feet

Question 26

What is the area of a rectangle 7 yards by 3 feet long?

Question 26

What is the area of a rectangle 7 yards by 3 feet long?

Answer: 63 square feet or 7 square yards

Question 27

What is the product of -2, -3,
and -4?

Question 27

What is the product of -2, -3,
and -4?

Answer: -24

Question 28

If $x \div 8 = 16$, then what does x equal?

Question 28

If $x \div 8 = 16$, then what does x equal?

Answer: $x = 128$

Question 29

To the nearest tenth, what is $\frac{1}{2}$ of 83?

Question 29

To the nearest tenth, what is $\frac{1}{2}$ of 83?

Answer: 41.5

Question 30

What is 20% of 80?

Question 30

What is 20% of 80?

Answer: 16

Question 31

How many prime numbers are there between 1-15?

Question 31

How many prime numbers are there between 1-15?

Answer: 6

Question 32

What is the largest composite number less than 1000?

Question 32

What is the largest composite number less than 100?

Answer: 999

Question 33

What time is it if it is 7 hours and 15 minutes after 10:00 am?

Question 33

What time is it if it is 8 hours and 15 minutes after 10:00 am?

Answer: 5:15 pm

Question 34

What is $\frac{1}{3}$ of 225?

Question 34

What is $\frac{1}{3}$ of 225?

Answer: 75

Question 35

What number divided by -10 is 8 ?

Question 35

What number divided by -10 is 8 ?

Answer: -80

Question 36

What is 5^3 ?

Question 36

What is 5^3 ?

Answer: 125

Question 37

What is $\frac{1}{3}$ as a decimal,
rounded to the nearest
hundredth?

Question 37

What is $\frac{1}{3}$ as a decimal,
rounded to the nearest
hundredth?

Answer: 0.33

Question 38

If $x \div 100 = 15$ what does x equal?

Question 38

If $x \div 100 = 15$ what does x equal?

Answer: 1500

Question 39

What is the product of $\frac{1}{3}$, 2
and 6?

Question 39

What is the product of $\frac{1}{3}$, 2
and 6?

Answer: 4

Question 40

How many weeks are there in
3 years?

Question 40

How many weeks are there in
3 years?

Answer: 156 weeks

Question 41

What is $\frac{5}{8}$ as a decimal?

Question 41

What is $\frac{5}{8}$ as a decimal?

Answer: 0.625

Question 42

What is 95% as a reduced fraction?

Question 42

What is 95% as a reduced fraction?

Answer: $19/20$

Question 43

What is $1,124 \times \frac{1}{2}$?

Question 43

What is $1,124 \times \frac{1}{2}$?

Answer: 562

Question 44

What is the product of the first 4 prime numbers?

Question 44

What is the product of the first 4 prime numbers?

Answer: $2 \times 3 \times 5 \times 7 = 210$

Question 45

Solve for x: $x - 12 = 48$

Question 45

Solve for x : $x - 12 = 48$

Answer: $x = 60$

Question 46

How many days are there in
26 weeks?

Question 46

How many days are there in
26 weeks?

Answer: 182 days

Question 47

What is $10 - 0.25$?

Question 47

What is $10 - 0.25$?

Answer: 9.75

Question 48

$\frac{2}{3}$ of 33 is what?

Question 48

$\frac{2}{3}$ of 33 is what?

Answer: 22

Question 49

Solve remembering to use
order of operations:

$$30 + 70 \times 3$$

Question 49

Solve remembering to use
order of operations:

$$30 + 70 \times 3$$

Answer: 240

Question 50

How many cookies are there
in 4 bakers dozen?

Question 50

How many cookies are there
in 4 bakers dozen?

Answer: 52 cookies

Question 51

If 10 plums cost 80 cents,
what would 6 plums cost?

Question 51

If 10 plums cost 80 cents,
what would 6 plums cost?

Answer: 48 cents

Question 52

4^3 is what number?

Question 52

4^3 is what number?

Answer: 64

Question 53

If candy bars cost 3 for a dollar, then how much would 15 cost?

Question 53

If candy bars cost 3 for a dollar, then how much would 15 cost?

Answer: \$5

Question 54

If a 12 pack of soda costs \$3.60, how much would one can cost?

Question 54

If a 12 pack of soda costs \$3.60, how much would one can cost?

Answer: 30 cents

Question 55

What is the square root of
121?

Question 55

What is the square root of
121?

Answer: 11

Question 56

How many inches are there in
 $5 \frac{1}{2}$ yards?

Question 56

How many inches are there in
 $5 \frac{1}{2}$ yards?

Answer: 198 inches

Question 57

How many times does 2 go into 522?

Question 57

How many times does 2 go into 522?

Answer: 261

Question 58

What is 49×9 ?

Question 58

What is 49×9 ?

Answer: 441

Question 59

What is the square root of 15^2 ?

Question 59

What is the square root of 15^2 ?

Answer: 15

Question 60

64 ounces is how many pounds?

Question 60

64 ounces is how many pounds?

Answer: 4 lbs.

Question 61

What is the reciprocal of
 $6 \frac{2}{3}$?

Question 61

What is the reciprocal of
 $6 \frac{2}{3}$?

Answer: $\frac{3}{20}$

Question 62

If 10 erasers cost 40 cents,
how much would 12 erasers
cost?

Question 62

If 10 erasers cost 40 cents,
how much would 12 erasers
cost?

Answer: 48 cents

Question 63

How many days are in 36 weeks?

Question 63

How many days are in 36 weeks?

Answer: 252 days

Question 64

Shoes cost \$89.00 for 2 pairs.
How much would 1 pair
cost?

Question 64

Shoes cost \$89.00 for 2 pairs.
How much would 1 pair
cost?

Answer: \$44.50

Question 65

How many weeks are in 5 years?

Question 65

How many weeks are in 5 years?

Answer: 260 weeks

Question 66

What is the reciprocal of
 $8 \frac{3}{8}$?

Question 66

What is the reciprocal of
 $8 \frac{3}{8}$?

Answer: $\frac{8}{67}$

Question 67

What is 484 divided by 4?

Question 67

What is 484 divided by 4?

Answer: 121

Question 68

If $x = 9$ what does $9x$ equal?

Question 68

If $x = 9$ what does $9x$ equal?

Answer: 81

Question 69

What is the area of a rectangle, in square yards, with length of 5 yards and width of 6 feet?

Question 69

What is the area of a rectangle, in square yards, with length of 5 yards and width of 6 feet?

Answer: 10 sq yds

Question 70

How many prime number are there between 1 and 20?

Question 70

How many prime number are there between 1 and 20?

Answer: 9

Question 71

How many degrees difference is there between -5° and 32° ?

Question 71

How many degrees difference is there between -5° and 32° ?

Answer: 37°

Question 72

What is $31 + 19 \frac{2}{5}$?

Question 72

What is $31 + 19 \frac{2}{5}$?

Answer: $50 \frac{2}{5}$

Question 73

Find $10 \frac{3}{10} + 12 \frac{1}{10}$

Question 73

Find $10 \frac{3}{10} + 12 \frac{1}{10}$

Answer: $22 \frac{2}{5}$

Question 74

$10^2 \div 25$ equals what?

Question 74

$10^2 \div 25$ equals what?

Answer: 4

Question 75

What is 20% of 110?

Question 75

What is 20% of 110?

Answer: 22

Question 76

How much is x , if $x \div 12 = 8$?

Question 76

How much is x , if $x \div 12 = 8$?

Answer: $x = 96$

Question 77

If you purchase 5 steaks at \$3.50 each, how much change will you get back from a 20 dollar bill?

Question 77

If you purchase 5 steaks at \$3.50 each, how much change will you get back from a 20 dollar bill?

Answer: \$2.50

Question 78

If there are 5 computer labs with 25 computers each, but 6 of them are taken out for repairs, how many computers are there?

Question 78

If there are 5 computer labs with 25 computers each, but 6 of them are taken out for repairs, how many computers are there?

Answer: 119 computers

Question 79

Using 4 weeks per month,
how many week days are
there in 6 months?

Question 79

Using 4 weeks per month,
how many week days are
there in 6 months?

Answer: 120 week days

Question 80

Solve using order of operations:

$$7 \times 5 - 2 \times 4$$

Question 80

Solve using order of operations:

$$7 \times 5 - 2 \times 4$$

Answer: 27

Question 81

15 is the square root of what?

Question 81

12 is the square root of what?

Answer: 225

Question 82

What is 132 inches in feet?

Question 82

What is 132 inches in feet?

Answer: 11 ft

Question 83

What is the measure of the angle formed by the hands of a clock at 3:00 pm?

Question 83

What is the measure of the angle formed by the hands of a clock at 3:00 pm?

Answer: 90 degrees

Question 84

$10^3 \div 2$ equals what?

Question 84

$10^3 \div 2$ equals what?

Answer : 500

Question 85

If $x \div 36 = 2$, what is x ?

Question 85

If $x \div 36 = 2$, what is x ?

Answer: 72

Question 86

What is the area in feet of a triangle with a base of 4 feet and a height of 12 inches?

Question 86

What is the area of a triangle with a base of 4 feet and a height of 12 inches?

Answer: 2 sq ft

Question 87

How many yards are in 108 inches?

Question 87

How many yards are in 108 inches?

Answer: 3 yards

Question 88

What is the least common multiple of 12 and 15?

Question 88

What is the least common multiple of 12 and 15?

Answer: 60

Question 89

What is the area of a circle with diameter 4 cm? (Use 3.14 for pi).

Question 89

What is the area of a circle with diameter 4 cm? (Use 3.14 for pi).

Answer: 12.56 sq cm

Question 90

Express $\frac{350}{450}$ in lowest terms.

Question 90

Express $350/450$ in lowest terms.

Answer: $7/9$

Question 91

What is 20% of 180?

Question 91

What is 20% of 180?

Answer: 36

Question 92

What does x equal if $7x = 84$?

Question 92

What does x equal if $7x = 84$?

Answer: 12

Question 93

What is $9 + 27/3$?

Question 93

What is $9 + 27/3$?

Answer: 18

Question 94

$17/25$ written as a percent is
what?

Question 94

17/25 written as a percent is
what?

Answer: 68%

Question 95

What is the greatest common factor of 48 and 60?

Question 95

What is the greatest common factor of 48 and 60?

Answer: 12

Question 96

What is the area of a circle
with a diameter of 2 cm?
(use 3.14 for pi)

Question 96

What is the area of a circle
with a diameter of 2 cm?
(use 3.14 for pi)

Answer: 3.14 sq cm

Question 97

If Ms. Colton gives $\frac{1}{5}$ of her 120 students homework, how many of her students had homework?

Question 97

If Ms. Colton gives $\frac{1}{5}$ of her 120 students homework, how many of her students had homework?

Answer: 24 students

Question 98

What is $2 \times 3 \times 4 \times 5$?

Question 98

What is $2 \times 3 \times 4 \times 5$?

Answer: 120

Question 99

Find x , if $29 + x = 58$?

Question 99

Find x , if $29 + x = 58$?

Answer: 29

Question 100

If a square has an area of 64cm^2 , then what is the perimeter of the square?

Question 100

If a square has an area of 64cm^2 , then what is the perimeter of the square?

Answer: 32cm

Question 101

What is the sum of the first 4 prime numbers?

Question 101

What is the sum of the first 4
prime numbers?

Answer: 17

Question 102

What is the area of a triangle with a base of 7 in and a height of 8 in?

Question 102

What is the area of a triangle with a base of 7 in and a height of 8 in?

Answer : 28 square in

Question 103

Solve using order of operations: $3 + 2(8-5)$

Question 103

Solve using order of operations: $3 + 2(8-5)$

Answer: 9

Question 104

What is $2 \times 3 \times 4 \times 5 \div 6$?

Question 104

What is $2 \times 3 \times 4 \times 5 \div 6$?

Answer: 20

Question 105

What is $9^2 \div 2$?

Question 105

What is $9^2 \div 2$?

Answer: 40.5

Question 106

What is $25x - 3$?

Question 106

What is 25×-3 ?

Answer: -75

Question 107

What is 80% of 150?

Question 107

What is 80% of 150?

Answer: 120

Question 108

What is $2 \frac{1}{2} + 2 \frac{1}{4}$?

Question 108

What is $2 \frac{1}{2} + 2 \frac{1}{4}$?

Answer: $4 \frac{3}{4}$

Question 109

What is 3 minus 9 tenths?

Question 109

What is 3 minus 9 tenths?

Answer: 2 and 1 tenth

Question 110

What is $-8 + 7 - 1$?

Question 110

What is $-8 + 7 - 1$?

Answer: -2

Question 111

What is $48/72$ in lowest terms?

Question 111

What is $48/72$ in lowest terms?

Answer: $2/3$

Question 112

What is 5 and 9 tenths minus 6 tenths?

Question 112

What is 5 and 9 tenths minus 6 tenths?

Answer: 5 and 3 tenths

Question 113

What is $\frac{1}{2} \times \frac{2}{3}$?

Question 113

What is $\frac{1}{2} \times \frac{2}{3}$?

Answer: $\frac{1}{3}$

Question 114

What is $30 \times 30 \times 30$?

Question 114

What is $30 \times 30 \times 30$?

Answer: 27,000

Question 115

What is $-24 \div 2 \div 3$?

Question 115

What is $-24 \div 2 \div 3$?

Answer: -4

Question 116

What is $3x + 2$ if $x = 2$?

Question 116

What is $3x + 2$ if $x = 2$?

Answer: 8

Question 117

What is $54/60$ reduced?

Question 117

What is $\frac{54}{60}$ reduced?

Answer: $\frac{9}{10}$

Question 118

What is the reciprocal of
 $1 \frac{2}{3}$?

Question 118

What is the reciprocal of
 $1 \frac{2}{3}$?

Answer: $\frac{3}{5}$

Question 119

What is $\frac{1}{2}$ of $\frac{1}{2}$?

Question 119

What is $\frac{1}{2}$ of $\frac{1}{2}$?

Answer: $\frac{1}{4}$

Question 120

What is the product of -12, -3,
and -2?

Question 120

What is the product of -12, -3,
and -2?

Answer: -72